Hawaii... there's something... ask anyone who has been to Hawaii to define her appeal. Listen to him dash off superlatives about "flowers" or "singing" or "tropical moonlight." Watch him fumble on futilely, then trail off... "there's something... something..."

That's it, the "something" that is youth, and you can't define youth. You must live it. You do... in Hawaii.

And you live it in peace! A "something" that has become a newly prized "everything" to a harassed world. It's not new to Hawaii, but because she has held to it... the world holds to Hawaii.

Fly or sail from Oahu (where Honolulu is located) to... Hawaii, Maui, Kauai... the four-star island attraction of Hawaii... there's "something" in each to make you declare new allegiance. It's island magic, nothing less.

Even to read about Hawaii quickens the pulse. Test this statement with literature at the office of your Travel Agent. If the exciting color photographs make you ask questions, you'll find he has the answers... about a lot of interesting things... about Hawaii... and about the great ships that sail the serene, safe Pacific.

This advertisement is sponsored by the Hawaii Tourist Bureau, Honolulu, Hawaii, U.S.A. Branches: 215 Market Street, San Francisco; 714 West Olympic Boulevard, Los Angeles, California. A non-profit organization maintained for your service by THE PEOPLE OF HAWAI'I

Hawaii
U. S. A.
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have developed 50 patterns to help you plan an Ideal Home

Before you build or buy, Investigate the 4-Square Home Building Service

IF YOU ARE PLANNING to build a home, a grand experience awaits you, for you are approaching a new and greater satisfaction than you have ever known. Home planning, building and financing have been simplified and made easy.

You will enjoy every minute of planning your home with the help of the new 4-SQUARE Home Building Service. You will be surprised at the ease with which you can fit into your family budget a home which not only meets your requirements of today but also assures home satisfaction during years to come.

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Never before have you been offered such assurance of plus values in a home.

As producers of fine lumber products—ready-to-use, precision manufactured 4-SQUARE Lumber—distributed through selected lumber dealers whose counsel and advice in planning, building and financing insures the satisfaction you have a right to expect, it is part of our job to help you get those plus values which the Weyerhaeuser 4-SQUARE Home Building Service and 4-SQUARE products provide.

So, whether you plan to build now or later, you will want to check your own ideas with this wealth of authoritative home planning, building and financing information. You will want to see the attractive portfolio illustrating 50 4-SQUARE Homes. Today you need a copy of the Home Planner's Guide which describes the 4-SQUARE Home Building Service and contains innumerable important professional pointers for home planners. It is free to you and so easy to get. Just mail the coupon today.

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- What is more useful to you, or more decorative to the room, than a full-length mirror set in a beautifully enameled door of Western Pines? The gracious mirror door adds spaciousness to any room and assurance to all occasions.
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- Free—write for your copy of "Building Your Home"—our illustrated booklet of building and remodeling ideas. Address Western Pine Association, Dept. 148 J, Yeon Building, Portland, Oregon.

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Whether you’re the disgusted owner of a pair of sagging garage doors, or the busy planner of a new home, look into Stanley "Swing-Up" Hardware! With this equipment, any pair of new or old garage doors become a single, easily opened "Swing-Up" door that even a child can open. The Stanley name is your best assurance of quality. Write for folder that tells about Stanley "Swing-Up," "Roll-Up" and "Slide-Up" Garage Doors! The Stanley Works, 197 Lake Street, New Britain, Conn.

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- Somewhere in the Berkshires, framed in gnarled apple trees on a country hillside or sheltered by the majestic elms of a village street, a home awaits your approaching footsteps, the possessive turn of your key in the lock.
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- Good neighbors, those with whom you like to associate, are typical of the Berkshires.
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- With our modern systems of transportation Berkshire County is most readily accessible at all seasons from the greater metropolitan areas of the east. Only a few hours from New York or Boston.
- Somewhere in the Berkshires is something more than just living, it means life rich with the traditions of more than three hundred years. And sparkling brooks, clear lakes, sublime scenery and mountain vistas surround you in every direction.
- For information about desirable summer or permanent homes in the Berkshires write BERKSHIRE HILLS CONFERENCE, Inc., Berkshire County Court House Pittsfield, Massachusetts.

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- Many families have wonderful memories of vacations in Maine. More and more mothers and fathers are settling down in year-round homes in Maine. Some choose a picturesque little farmhouse, some a cottage on a lake. Or they move to tidy homes in a seaside town or neighborly inland village.
- There is a place that "just suits" somewhere in Maine. A spot where beauty, hospitality and a healthful atmosphere add contentment and spirit to life. A house that will be a haven to children and grandchildren through many happy years. We'll help you find that spot. Just mail the handy coupon.

If the property you want to sell or lease is the kind of property that would appeal to the discriminating taste of the readers of House & Garden, then obviously the place to advertise it is in these pages, where it will meet the eyes of thousands of prospects who will appreciate its fineness. Advertising rates will be furnished you, or your agent, promptly upon application to House & Garden Real Estate Dept., Graybar Bldg., New York City.
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A brochure describing the benefits of hardwood flooring, and a special spring control prevents sticking. This booklet gives full illustrations and drawings, Casement Hardware Co., 841 L N. Wood Street, Chicago, Illinois.

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WINE & FOODS

RARE RECIPES

told ofวน in "Leaves from the table of George and Martha Washington, compiled by Mrs. John Parke Custis and Mrs. John Parke Custis, 228 E. 8th St., Philadelphia, Pa.

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prepared by Helena Rubinstein, contains a set of little individualized hitches is listed in a folder which includes the value of wine, its history, wine pairings, sauces, spices and other appetite teasers, all put up In charming crocks and sauce- dishes, all put up In charming crocks and saucers, spices, vinegars and other appetite teasers, all put up In charming crocks and sauce-dishes, and you can have this booklet which is chock full of beautiful and well finished cabinets. St. Charles Mfg. Co., Dept. 3-U-3, St. Charles, Illinois.

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THE DOG
House & Garden's gallery

The Skye Terrier is one of the oldest breeds and was included in the first volume of the English Kennel Club stud book. It takes its name from the "Misty Isle" and is not, as described on a cigarette card from Spain, a "Terrier Celeste". Champions Gregory and Rattin Willie; owner, Mrs. C. V. Warburton of Adow Kennels.

The majority of terriers have attained something of their present-day forms within the last century; but the Skye Terrier of nearly four centuries ago was so like the present-day specimens that his description then almost fits modern standards. Gregory of Arreton owned until recently by Mrs. M. K. Jondreau.

The Skye's temper can always be relied on, and he can be implicitly trusted with children. The Skye is an exceptionally good house-dog. He is a peaceful, well-conducted little citizen, and attends to his own affairs, unless those of others are interfered with by others. Shown here, Skye Pecorino of Iradell.

The Skye Terrier has a great deal of intelligence and his attention to his master's looks and words is truly astonishing. Often somewhat shy and reserved, once aroused in the conflict he fights with great cunning and skill. Mrs. Michael Stillman owns and exhibits these very well-bred Skye dogs.

These Advertisers Will Give Special Consideration to Letters from Readers Who Mention House & Garden's Name.
MART of pure bred dogs

At one time during her reign Queen Victoria had a bitch, "Rona II", which is immortalized in the well-known picture of Her Majesty and her Skye by William Nicholson. This picture shows "Rona" as small and with a wide-eared carriage. Dog shown here is Roland of Merri­mount. Owner, Mrs. Adams

The Skye Terrier breed is not affiliated with any aviation service, an oft-repeated joke. It is a breed that has perfect poise and balance at all times. Champion George of Merri­mount with children and grand­children, puppies seven and nine months of age, bred, raised in Canada by Mrs. R. Percy Adams

The color of the Skye Terrier is dark or light blue or grey, or fawn with black points. Shade of head and legs approximately that of body. Undercoat is short, woolly. Outer coat long, hard, straight, flat and free from crisp or curl. Skye puppies from the Irudell Kennels

SKYE TERRIERS
Country raised puppies, 3 years and over. Write, phone or call.

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Mrs. M. K. Jordan
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Also Amsterdam, N. Y.

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Roseland, N. J.
For appointment call: Caldwell 4-596

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Compromise and Show Dog, Dos­termer Inheritance
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Hardy, intelligent, affable. An excel­lent farm or country dog.

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Largest and Most Modern Kennel in the United States for Imported Trained Dogs and Puppies

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Shetland Sheepdog

B. H. Wilson, owner

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German Shepherd Dog

Specific Questions on Dog Subjects will gladly be answered by The Dog Mart of House & Garden

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Saturday, May 31, 1941
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Puppies by the famous only imported Skye Terrier "Talisker" available May 31.

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A wide selection of well-bred puppies and breeding stock at reasonable prices.
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This is Champion Timberidge Tipton, the first purebred sheepdog to win a bag of Purina Dog Chow ... the economical dry foods ... so nutritious that 1 lb. is equal to 3 lbs. of fresh meat in food value. See your Dog Chow dealer.
PURINA MILLS, St. Louis, Mo.

DOGGY WHISTLE
DOG COAT

THE PROMENADER
THE ARISTOCRAT
OF DOG LEASHES
Gives your dog the humane freedom he needs while under the protection of a leash.
Ten feet of leash on an automatic reel that cannot drag or tangle and can be locked at any desired length.
Made of plastic in red, blue, green, and marlbertone.
Strong enough for the smallest dog.
Price $3.00
If your dealer cannot supply you write to
INVENTORS PRODUCTS CORP.
799 S. Dearborne St., Chicago, Illinois

THE SKYE TERRIER
The Skye Terrier was one of the most important breeds at American bench shows before the turn of the century, and the rivalry among leading kennels was exceptionally keen. Entries at shows may be small, but the breed usually has representation.

IN 1858 "Greyfriars' Bobby" belonged to an old shepherd in Edinburgh who died friendless and in poverty. Bobby, tiny, drop-eared Skye, followed its master's body to the grave-yard and slept on its owner's grave for about ten years. ... Ch. Antieva v. Regentenhof, from the Eradell Kennels.

THE SKYE TERRIER has maintained his greatest foothold in England and Scotland, where his admirers are happy to point to the time when a Duchess would almost be ashamed to be seen in the park accompanied by her long-coated Skye Terrier. Some Eradell Kennels Skye Terrier puppies were setting the standard for the breed.

QUEEN VICTORIA owned Skye Terriers in 1852, one named "Islay" being a true drop-eared Skye, followed its master's body to the grave-yard... and was shown at the Turn of the Century, the Skye Terrier was one of the most important breeds at American bench shows before the turn of the century, and the rivalry among leading kennels was exceptionally keen. Entries at shows may be small, but the breed usually has representation.

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ASK THE DOG MART
Whether your dog is just a bit of animated fur with all his soul in his eyes, or a cheery six-footer who knocks you over with joy every time he sees you ... you will need to consult The Dog Mart at times of your canine problems.

Perhaps it's about the proper feeding ... or barking and growling ... or how to train your dog ... or what to do when he mores about the house and won't eat. Whatever it is, why not write to this Department?

The manager of The Dog Mart will gladly share with you his wide knowledge of dogs gleaned from years of experience. Just write him about your problem ... and he will help you, without obligation, of course. The Dog Mart of House & Garden, Graybar Building, 420 Lexington Avenue, New York City.
**MART**

of pure bred dogs

Bobby received a permanent license and collar from the Lord Provost; and a memorial in the shape of a drinking fountain, with Bobby sitting on a central column, was erected at the end of the George IV Bridge, Edinburgh. Skye Terriers du Bazizoo and Celeste; owner, Mrs. Michael Stillman.

The Skye Terrier is a long, low, well-built, wiry little fellow, with a good hard jacket, an intelligent, alert expression, and a sound constitution which enables him to go almost anywhere, do almost anything, and rough it with his master in any climate. These two bred by Mrs. Charles Dewey.

Two varieties of the Skye Terrier are met with, differing only in the matter of ear-carriage—the prick- and the drop-eared. The latter is the older type of ear, though at present the former is the more favored. Otherwise the two types are identical. Mrs. R. Percy Adams with "Talisker" Skyes.

Skye Terriers average nine inches in height at the shoulder, and should be two-and-a-half times as long as the height, with a tail equal in length of that same height. Males weigh twenty-five to thirty lbs. Females less than twenty-five. This specimen was bred by Mrs. C. A. von Rumohr.

Bobby, received a permanent license and collar from the Lord Provost; and a memorial in the shape of a drinking fountain, with Bobby sitting on a central column, was erected at the end of the George IV Bridge, Edinburgh. Skye Terriers du Bazizoo and Celeste; owner, Mrs. Michael Stillman.

**THE COMPLETE DOG BED**

THE ALLEN COMPANY

These Advertisers Will Give Special Consideration to Letters from Readers Who Mention House & Garden's Name.
APRIL House & Garden presents

The SPRING COLOR PARADE

of Ideal Homefurnishings

JOIN the spring color parade with House & Garden! In the special, separately bound section of the April Double Number, House & Garden shows you the 16 leading decorator colors for 1941 . . . and keys them to every item on your homefurnishing list. You’ll see new draperies, upholstery fabrics, rugs, wallpapers, linens, china, and bedspreads—all in these charming, fresh tones.

In this—the annual Ideal Homefurnishing Number—House & Garden also brings you decorative schemes for three Ideal Homes. The schemes are in the periods highlighted in House & Garden’s February Double Number . . . American Colonial, American Federal, and American Modern . . . complete for every room in your home.

If you want to lift yourself from the decorating doldrums . . . and give yourself a change of scene . . . don’t miss the Spring Color Parade of Ideal Homefurnishings in . . .

House & Garden APRIL DOUBLE NUMBER

THE CONDÉ NAST PUBLICATIONS, INC.

ON SALE MARCH 20 • 35c
For the first time that we know of, a monthly magazine has attempted to bring you in one of its regular issues, a helpful handbook for the homeowner. We do not present this section of the magazine as a complete compendium of useful information, as a comprehensive manual of modernization or as a handyman’s encyclopedia. We do think that the 275 ideas contained in this section will include some that every one will find of value.

We know that we have not covered the entire field by any means. That is what our Reader Service Department is for. If after looking through this section of the magazine you find we have not solved your particular problems, do not hesitate to let us know. We want to help you. We have spent many months preparing this particular issue and we hope that you will find it a valuable one to keep.

Some of the improvements can be carried out by the homeowner himself; others by a handyman and still others require the services of a skilled laborer or a contractor, or both.

Of course no remodeling operation can be any better than the materials employed in it. We give you on page 42 of this section the names of those concerns making materials and equipment of first-rate quality.

Condensed Index—Complete listing on page 42

- FOUNDATION PROBLEMS graphically solved in construction diagrams on pages 10 and 11.
- WEATHERTIGHT ROOFS are important remodeling factors. Turn to pages 14 and 15 for suggestions.
- INTERIOR CONSTRUCTION—walls, floors, ceilings. See pages 16, 17, 24, 29 for helpful hints.
- HOW TO BUILD A BAY WINDOW. Look for construction drawings on pages 18 and 19.
- YOUR OLD FURNACE can be modernized. On page 22 we show ways to improve your heating unit.
- NEED A NEW MANTEL? A condensed catalog of modern millwork is shown on pages 30 and 31.
- FOR OUTDOOR LIVING—a simple effective way to build a brick terrace. Page 34.
- PLUMBING ESSENTIALS every remodeler should know are explained in detail on page 32.
- PLANNING A STAIRWAY. See page 16 for floor plans and detailed construction diagrams.
Foundations come first in a

Check up on conditions in the cellar before looking elsewhere

LEVELING THE FOUNDATION is the first essential in reconditioning an old house. Having first located a corner that is sound and perpendicular, stretch a level cord from this point to the corner which has failed, as shown above. This will show the degree to which the foundation has sunk.

JACKING UP A CORNER of the house to a level position, as indicated by the string shown above left, is the next step in making the foundation secure. With the weight of the structure supported on the jack, the foundation wall will be bricked up level and the house lowered again upon it.

CRACKS IN FOUNDATION WALLS should be cut out with a small chisel so that a section will present a "V". The edge of the crack must be wet and filled with cement. Unless the fissure is keyed in this manner, the new material will fall out. Loose mortar in bricks should be cut out completely and repointed.

A SHAKY FLOOR can be stiffened up and made solid by placing a light girder beneath it and pressing it with substantial posts or columns, as shown above. Careful measurements should be taken to insure correct length of the posts and then these should be driven forcibly into an upright position.

CELLAR WINDOW frames that show a crack where they are set into the wall should be thoroughly caulked. A caulkng gun with a fine nozzle should be used and the caulkng compound forced into place. Loose cellar window frames admit moisture to the foundation walls and result in eventual disintegration.

CELLAR COLUMNS that are loose should have strong wedges driven under their base. A light frame should be built as shown and concrete grouted under the footing and the frame filled. Columns of this type are made to fit tightly when first put in place but subsequent movement of the structure will often cause them to lift away from the floor, hanging from the top.
Until the foundations and supporting members of a house have been carefully inspected and made secure, level and tight, no other improvements should be undertaken. Many ills quite commonly associated with an "old" house—such as uneven floors, doors that won't close, cracked plaster, leaks, etc.—may often be traced directly to the settling of some part of the foundation. This naturally affects the alignment of the whole building and must be corrected.

The supporting members—girders, joists and posts—may have ceased to function properly, either from rot or from some displacement and these, too, must be brought back to full efficiency as a preliminary to any serious remodeling. As these drawings make evident, any serious work of this sort calls for experienced help.

Frequently the metal columns that support a girder become loose through shrinkage of the wood above. As a rule, they have a top and bottom bearing which is threaded and the column can be extended by backing it off a few threads and increasing its length. Only minor adjustments can be made in this manner, however, and if the space is too great wedges must be used as shown at bottom of opposite page.

Girders or beams that seem substantial are frequently badly rotted inside. One of the best tests is to pierce them with an icepick. Sound wood cannot be easily driven through, but wood that is full of dry rot will admit the steel point with ease.

Cellars can be made dustproof, and the floor above made warm by sheathing the cellar joist with insulating board or other structural panels. These can be nailed directly to the under edge of the beams, but care should be taken to leave hand holes for valves on the plumbing lines, or for switches.

The solidity of a cellar floor is best tested by tapping the surface with a short length of iron pipe. Where the floor is solid, a solid sound will result and hollows can be easily detected by the hollow sound. The floor should be broken up over any hollow and the cavity filled up with cinder cement.

Frequently beams have shrunk or warped out of position so that they fail to get a secure bearing under piers or columns which are supposed to support them. This can be corrected by driving hard wood wedges between the top of the pier and the lower edge of the beam, then cementing them in.

The foundation walls that show dampness or seepage should be exposed by digging a narrow trench down to the footing. The surface of the wall below grade should be given a heavy coat of asphalt. Open joint tile pipe should be laid above the footing and trenches extended out for drainage.
Treating defects in exterior walls

How to make old exterior finishes weatherproof, structurally sound and neat in appearance

Where old siding has deteriorated to the point where repair is practically impossible, waterproof paper should be spread over it and new shingles or siding applied. In most cases this is straight wall work and involves practically no fitting and very little cutting.

Care should be taken to see that the paper overlaps properly and is tacked in position securely. The new shingles or covering should be applied so that they bear solidly on the old surface beneath. Where old boards are rotted, replace them.

Stucco and heavy timbered walls need particular attention to insure their tightness. All joists around the timbers should be carefully caulked, and all the cracks or missing patches in the stucco should be mended.

The lower pieces of clapboard or siding frequently rot while the rest of the wall is solid. These can be replaced by wedging out the first sound course and tearing off the bad pieces. New boards can then be laid.

Siding is apt to break out or warp at the joints. Frequently this is caused by the rusting out of the nails which pull through and permit the siding to warp. After these are nailed together in place the joint should be caulked to exclude weather. Galvanized nails should always be used to avoid rusting.

Frequently siding will be split and the ends too bad to permit proper nailing. In these cases it is best to loosen the board above and replace the bad board with a sound one. Faulty studs should be reinforced.

Points at which wood will deteriorate rapidly

Where windows or doors are set in a wood wall (1) dampness has a chance to enter around the casing. All openings should be thoroughly flashed at the top and the joint where the casing meets the wall should be caulked. Corner boards and siding (2) fail where weather is permitted to enter the joints. Here again paint and caulking will protect. Corners of a wood wall (3) are favorite places for cracks to develop. These should be tight-fitting and carefully painted.

Dark angles (4) in the outer walls of a house often cause failure of the surface. Porch columns (5) rot first at the base as water from the porch floor keeps them wet.
Remodeling presents more of a problem to the owner than a new building operation, principally because the work to be performed consists of a number of small items which frequently involve the various trades to a small degree. In fact, one of the main difficulties encountered is the unwillingness of a contractor to take on a very small job which has to be dovetailed into the activities of other mechanics and which ties him down to a specific date in which to perform.

There are two ways only in which this problem can be sensibly handled. The first would be to have a comprehensive survey made of the building and a specification written and probably rough sketches drawn if there are any structural changes to be made. In this case, general contractors or builders would be invited to bid on the job and carry out the work at a lump sum price. This is known as a straight contract.

The other method and the one generally used where the alterations or remodeling are of a minor nature is to employ a reputable contractor, explain the various jobs to be done and permit him to go ahead on a time and material basis. This is often satisfactory and it enables the contractor to coordinate the various trades and doesn’t tie him down to a prearranged price that might incline him to skimp on the work in order to arrive at a profit.

In this kind of a contract it is customary to submit to the owner a daily or weekly time sheet showing how many hours the various mechanics have worked at their trade and likewise to submit the bills from the lumber yards or supply house which have been rendered to the contractor for material delivered.

In a great many cases the remodeling of an old house will uncover structural defects, weaknesses and other things that are absolutely impossible to foresee. Any builder is aware of this and although his specification may simply involve the laying of a new floor he knows very well that the possibility of his finding floor joists that are ready to collapse is quite good, and he will be inclined to add enough to his lump sum price to offset such a contingency whether or not it occurs.

On the other hand, if the contractor arranges on a time and material or a cost-plus basis, he takes the additional work in his stride, thereby avoiding any disagreements which the uncovering of unforeseen conditions might entail.

The time element in either form of contract is of great importance and should be settled to the satisfaction of both the owner and the contractor before work is started. Unless a time limit is put on a remodeling job the contractor is in a position to put in a rough floor and take his mechanics off the job until such time as the plumber feels like getting around to setting his fixtures and thereby enabling the carpenters to return and put down the finished floor. If a time limit is set, the contractor will coordinate his trades so that no time is lost.

Where piping, duct-work, electrical work or other specialized trades are not involved probably the most sensible thing to do would be to employ a good general carpenter, preferably one with some experience as a cabinet-maker and let him work along on a few items until you have a general idea as to his speed and ability in executing the type of work you have planned.

The foregoing remarks should prove helpful to the home owner who contemplates making certain changes or improvements in his home of a nature which do not suggest the need of architectural services. We strongly advise, however, that in all cases where the proposed alterations involve changes in the plan of the house, or changes in the architectural design, an architect be consulted. In this case the architect will prepare drawings and specifications of the work to be undertaken, and, at the client’s option, will let the contracts and personally supervise the carrying out of the work. He will be able to submit sketches showing how your home will appear when the changes are made, and to insure that they are harmonious with the existing design.

Two principal building contracts in brief

**THE STRAIGHT CONTRACT**

This type of contract involves a lump sum payment upon completion of certain specified work within a specified time limit. This form of contract is advantageous when all conditions may be accurately predetermined. It insures skilled supervision, the proper coordination of the various trades involved in the undertaking and speedy completion of the work. It is essential that both parties to this type of contract be in complete agreement and have a mutual understanding as to the scope of the work to be undertaken. Adequate plans and specifications for all work should be a part of the contract.

**THE COST-PLUS CONTRACT**

This is also called a Time and Material or Percentage contract. It permits the work to be divided according to the amount of money that the owner wishes to spend at a given time. It also permits changes from the original plan at the owner’s option and is apt to result in a higher standard of workmanship.

The disadvantages of the cost-plus contract are that no time limit can be set and that the total cost of a project is not predetermined. The relative merits of these two types of contracts must be measured against the conditions obtaining in each individual case.
**Practical ways to keep your roof structures**

**ROOF STRUCTURES** are given new strength by the installation of collar beams. These are simply new braces installed as shown. They transfer the weight of heavy snows and ice so as to distribute it evenly over the roof surface. They can be installed at practically any height unless head-room is required.

**DIAGONAL BRACES** strengthen roof structures and enable them to resist heavy winds. These braces should be at least 1" x 6" boards and must be nailed to the under edge of each roof rafter. Tops must be properly mitred and set against the ridge board and the bottoms securely fastened to the rafters.

**ON SUN DECK OR PORCH ROOF** when the covering is too thin or worn to stand further wear, slabs of traffic-resisting material can be set in a mastic bed. Application is made simple by the fact that the material comes in small sections, can be cut with an ordinary saw and requires no nailing to install.

**CRICKETS OR SADDLES** behind the chimney on the up-slope of the roof divert heavy rain and slush that might otherwise pile up against the chimney above flashing-height. These can be installed with simple framework and proper flashing without in any way disturbing the roof structure or the roof finish.

**GUTTERS** that have broken loose from their fastenings or that have been distorted by the building up of ice require immediate attention to prevent their complete collapse. Install new hangers of substantial strength.

**DOWN-SPOUTS OR LEADERS** should always be made of corrugated rust-resistant metal. Joints should be securely soldered and basket strainers should be installed to prevent leaves or debris from washing down.

**VALLEY FLASHINGS** that have rusted out can be replaced without disturbing shingles or other roof covering. Flashing material should be cut in 10" squares and folded at the points and inserted under the shingles, as shown. The long point insures penetration when the shingles are nailed close to edge.
SHELTER, reduced to simplest terms, means a roof over your head; and the roof remains, in every case, the part of the house most exposed to the elements and most important in keeping these elements out of the house.

The structure of the roof should be inspected from within to make sure that the weight of Winter snows and the buffeting of strong winds have not loosened and weakened the supporting rafters. If this has occurred, simple remedies may be applied in many cases, as indicated in the accompanying sketches.

When the roof structure is sound the next consideration is to make it weatherproof. The weak points and the methods employed in correcting probable failures are shown below. Occasional re-roofing is to be expected, but any roof will give better service if periodic inspection and maintenance are made a rule, so that inconspicuous defects and failures can be corrected before any extensive damage results.

**ROOF RAFTERS** may be stiffened and well anchored by setting 2" close-fitting plates between them, spiking them to the wall plates. This gives each rafter a double bearing at its base. This is the first step to take in bracing an old roof. See top of opposite page for measures to take if further support is needed.

**EXTENSION ROOFS** that are being prepared for use as sun decks will need a flexible, watertight covering. Heavy canvas laid on a special cement, lapped and tacked down every two inches will furnish an excellent deck. Unless the surface is smoothly wood-covered, a wood sub-flooring must be installed.

**A SHINGLE ROOF** particularly an old wooden one, should never be walked on. If work is to be done on the roof, a ladder should be rigged as shown and moved along to where repairs are required. 1" x 4" stock should be used and securely fastened to the ladder. Roof work is dangerous for the amateur.

**PIECES OF THIN COPPER,** galvanized iron or even tar paper can be pushed up under the shingles so as to close the opening shown by the wires (See below). Repairs of this sort may prevent costly damage to your interiors.

**AN OPEN DECK** made of 2" x 4"'s set on edge and covered with 1" x 3" slats half an inch apart will prolong the life of any sun deck covering. This should be made in sections as shown so that they can be easily lifted if necessary. They should under no circumstances be nailed to the roof itself.

**TO LOCATE A LEAK** in a wood shingle roof from the outside is almost impossible. The leaks are easily located if the attic is unceiled and pieces of wire pushed through so that leaks are evident from the outside.
Stair plans and construction

Learn the elements of good stair construction before you try to revamp the old stairs

STAIR BUILDING is one of the highest branches of the wood-worker's art. A good job of stair assembling is generally done on the floor near the stair well. The stringers or long sloping members that constitute the sides of the stairway are mortised out and the steps are set in place, glued and fastened by means of wedges driven into the assembly from the under side of the stairway. The stringers bear against the exposed beam of the upper floor (see detail at right).

Risers and treads are kept in their grooves in the face of the stringers by means of hardwood wedges which are driven behind and beneath them. These are glued and hammered firmly into place.

The ends of the treads are mortised out and the balustrades, which have a tenon at their base, are glued and driven into place. A nosing covers the joint. Finishing nails as well as glue are used.

Grooves run into the bottom of the tread and on the lower face of the riser permit both risers and treads to be assembled and dovetailed. These joints are glued and tied together to set.

Nailing blocks are securely screwed and glued to the inner face of both stringers and bear on strips, or are spiked in the face of the floor beam to secure firm anchorage at the head of the stair.

Stairways adapt themselves to the plan

THE THROUGH CENTRAL HALL
STAIRS OFF THE HALL
AN OLD COLONIAL TYPE
FOR CIRCULAR OR OVAL HALLS
New rooms for old homes

Showing how partition frames should be spaced, erected and braced to secure sound construction

Bearing partitions should always have the studs spaced 16 inches apart on centers. These should set on a single plate, sometimes called a sole, and should always be above a girder or bearing partition, as shown at right.

To secure a partition firmly the plaster should be cut out on the ceiling above and the partition cap spiked to the lower edge of the floor joist. Strong anchorage above and below, and a firm wall, is the result of this procedure.

Doors which are installed in new partitions need heavy frame and double members at both sides and at the top. Light construction at this point will result in shaky walls and a possibility of a sagging door and cracks in the finished plaster.

Insulation should be built into a new partition for the purpose of sound deadening wherever the new wall is to form part of a bathroom or where quiet is essential for other reasons. As a rule, a two-inch thickness is all that is needed.

Cellar partitioning is simple. Two-by-fours are laid on the concrete floor and studs are erected. The cap bears on cross-members spiked to the lower edge of the joist above. Nailing strips against the walls take lath or board panel finish.
Practical solutions to some of the Alterations and repairs to modernize your fenestration

On these two pages we suggest a number of ways to improve the fenestration of your home. Like other features in this issue, this one does not pretend to be a complete treatise on windows, but it does bring you some solutions for the commonest types of window problems. If you have other such problems with which you think we could help you, do not hesitate to write in to our Reader Service Department.

It has been said that the most common form of home improvement attempted by a person who becomes the owner of a house which he plans to remodel is to “do something” with the windows. Usually this takes the form of adding bay windows on the ground floor or increasing the window area in certain rooms. We have much more desire for sunlight and fresh air nowadays than our predecessors. Therefore, most old houses need to have changes made in their fenestration.

It is true, however, that some people hesitate to make changes in the fenestration of their home because they are afraid it may make a great deal of fuss in the rooms which they are using all the time. At the bottom of these two pages we show you typical steps in the fitting of a bay window to an existing wall and how it can be added with the least inconvenience to the household.

Another thing that has contributed greatly to the popularity of remodeling windows is the fact that stock windows now are well designed, easy to purchase and easy to install. Stock windows come in many styles and can be found to solve almost every type of window problem. It is no longer necessary to use sash weights, and in old houses where space for sash weights does not exist, it is possible to install sash balances which serve the same purposes.

On page 20 you will find some ideas for insulating and weatherstripping which also will increase the comfort and convenience of your home.

An attractive bay window can be easily added in this way

Setting a bay window into an existing house is not at all a difficult or a long job. However, a few precautions should be observed.

In the first place, be sure to study the architectural significance of the proposed new window from the point of view of both the exterior appearance of the house and the decorative and furnishing scheme of the room in which the window will be used.

Having determined the correct location and proportions of the window, it is a comparatively simple matter to find stock parts for the type preferred. Your local dealer in millwork will probably be able to give you considerable help in this respect, and a careful contractor will be able to install the average bay window as easily as these drawings indicate.
common window problems

Window trim suffers from exposure to sun and weather. Any pieces that show indications of pulling away from their place should be renailed and well calked.

Windows that stick can generally be eased by scraping or sanding the grooves to remove excess paint or sometimes by waxing the grooves along which sash travels.

Window sash frequently jams when one of the sash cords has broken. The inside stop-head can be removed, the weight box uncovered, and new cord installed.

Flashings above windows must be tight and whole. Cracks in window trim admit moisture resulting in rot. Calking of all the seams in window trim promotes a dry wall.

Brick wall beneath a window with a leaking case will deteriorate rapidly. If the mortar joints are badly broken out, the outer course of brick should be removed and laid up again. Care should be used in breaking out the wall.

French doors installed in an old wall necessitate removal of a considerable portion of the framing. To compensate for the loss of these members the trimmers or studs at the sides of the new opening have to be doubled.

Putty should be replaced as soon as it has fallen out of window sash. Unless this is done the failure of the entire putty bead will follow rapidly. Paint the wood on which the putty rests before putty is applied, as shown above.

2. The ends of the extended joists are boxed, as shown here, and the rough flooring is laid.

3. The frame of the new window is then built up and sheathed, and new sash are installed.

4. A light vestibule of frame and canvas will protect the house when walls are torn out.
Four practical methods to apply insulation in the house

1. Insulation can be placed under the floor when the attic is not used or heat in it required.
2. Where attic must be kept warm for storage or other purposes, place insulation under roof rafters.
3. Where a room is required in the attic insulation should be installed to furnish a ceiling and walls.
4. The floor under unexcavated portions and also against unheated garage walls should be insulated.

Vital pointers on insulation

Insulate windows with storm sash, weatherstripping:

Storm sash, attached at top and held out by metal brackets, can be very effective used on double-hung windows. Casement windows are fitted with glass panels which snap into place on the inside of the window frames.

Weatherstripping in double-hung windows must run around the edge of the sash and should be built into the meeting rails. Casement windows require weatherstripping at center where they meet and around edge.

For walls apply insulation to one side or in center:

Structural insulating board (1-2) of moisture-resistant variety makes splendid insulation behind brick veneer, wood or stucco surfaces. Structural insulating board also furnishes structural strength, finished appearance.

Filled insulation (3) is poured or blown between exterior and interior walls through holes cut in the sheathing. This furnishes a solid fill and also serves as a fire-protecting medium. As a rule it is vermin-proof.
Memo from the Editor:
Next month that popular feature of our February issue, our "How-to" Handbook, containing many new and practical suggestions for the homeowner, makes its reappearance. Don't miss it! Also in April — 16 New Colors for 1941.

In defense of contractors

BY H. R. EKINS

(EDITOR'S NOTE: The author, Mr. H. R. Ekins, is the noted foreign correspondent and cable editor of the United Press and Scripps-Howard newspapers)

If you think you are smart and can save yourself some money by doing that job of building or remodeling without the expense of an architect or contractor, then don't do it. You'll wish you hadn't. I know, for I tried it.

As a newspaperman with the country as a hobby, I certainly have no axes to grind for architects or contractors. So this is a confession of experience just about as candid and objective as one can be and there can be levelled against it no charge of plugging in hope of gain for what might be termed the middle men.

Yes, we bought a place in the country. It called for plenty to be done. That plenty was just that, too, for it included an extensive job of remodeling a house, including roofing, additions, shingling the sides, insulating and refinishing the interior, wiring, a complete new plumbing job, construction of a garage and shed, re-digging a well and, as if all that were not enough, the building of 1,500 feet of road where no road had ever been before.

Our experience was nil but our confidence was high and we were determined that there was nothing anybody else could do which we couldn't do.

How we fastened on to the figure we never will know but we decided in our minds that a contractor would add 15 per cent to the cost of our ambitious undertakings. So, with a fine disdain of contractors, we decided right there to save 15 per cent.

Once that stand was taken, there was no discouraging that determination. We wanted some FHA money and the mere fact that the lending agency insisted on a contractor who would be paid when his job was done simply meant that it did not get our business. We went right ahead with our work on short-term financing and figured we had beaten the game, that the lending agency was working in cahoots with contractors and trying to cut them in.

It all started 15 months ago when, after buying the place and the shack on it, $100 looked most almightily big to us and the amount we were going to save on contractors and architects looked even bigger—big enough to swing the job to completion.

Now, 15 months later, the job is far from finished. A lot has been done and literally thousands of dollars, some six thousand of them, have been spent and we wound up by calling in at least one contractor. We shall have to call in more before finishing a job which a contractor or several of them could have finished with what we have spent; but in the meantime we have wangled ourselves into such a fix that there will be two years of belt-tightening and trying hard to keep one jump ahead of the sheriff before we can go to a contractor, almost any contractor, and look him straight in the eye and ask him to get us out of the mess and at the same time be able to assure him that he will be paid.

Here is a list of some of the mistakes we made:

1—We hired a man, on a day-by-day basis, to paint the shack, ourselves to supply the paint. We bought the paint and he painted the shack, a fairly big one, a story and a half and 30' x 25'. Then what did we do? We tore down most of what he had painted and then put shingles over the rest of it. Then, of course, the shingles had to be painted or stained and the cost of the first paint we ever had bought and the labor for applying it was at the bottom of that bottomless pit which is the standing explanation as to why we are broke and why we literally leap, almost (Continued on page 39)
Conversion units for boiler

Conversion units, neat and compact, change a coal-burning steam boiler into an automatic oil-burning unit. The grates and ashpit door are removed. No change in piping is required.

Blowers that increase the flow of warm air through old hot-air furnaces double and triple their efficiency. These are easily installed in the fresh air inlet or jacket of the present unit.

Circulators increase the flow of hot water through a hot water heating system. An automatic valve admits water to the boiler for further heating when its temperature declines.

Covering a hot water storage tank with asbestos saves fuel and increases the supply of available hot water. This operation is simple and can be done by the layman without special tools.

Auxiliary electric heaters are easily installed as they fit into a shallow receptacle set in the wall; only an electrical connection is required. Instant, abundant heat is available as needed.

Prefabricated steel fireplace linings avoid faulty construction in a fireplace. They pay for themselves in the masonry saved. Warm air ducts may be piped to different rooms as shown.

Building a fireplace on an existing inside wall

In building a new fireplace a solid footing or foundation must be provided which will carry the weight of the new masonry. This is furnished by excavating and making a form which is filled with concrete. The resulting slab should be about four inches larger than the masonry base of the chimney.

The masonry is carried up through and framed out, opening in the first floor and arched to provide a suitable hearth. The damper and smoke chamber assembly are essential items and the prefabricated variety will insure proper preparation in the construction. Where the chimney passes through the floor above, the opening must be framed out so that joists will be supported.

A solid footing or concrete mat must be laid on solid ground to support the weight of the new chimney. The size depends on the weight of the new masonry.

The damper and smoke chamber assembly should be installed as shown and surrounded by masonry. The top of the smoke chamber leads into the flue lining.
Some suggestions for modernizing the old heating plant

It is safe to say that practically any good heating plant which has not completely collapsed can be refitted and made into a fairly up-to-date unit. The majority of houses that might be remodeled are equipped with either a hot-air furnace, a one-pipe steam system or a hot water heating system. The market today offers a number of sensible and thoroughly practical units which can be installed in these old plants and which will increase their efficiency and, in a great many cases, make them entirely automatic in operation.

Take for instance the popular one-pipe steam heating boiler, coal-fired. A new gauge, new water column, cleaning and oiling of the automatic damper and the installation of an oil burner unit with thermostatic control will produce a practically new plant. The old hot water heating boiler, which formerly seemed so slow in getting up heat, can be speeded up and made extremely economical by the installation of up-to-date equipment. The sensible insulating of all heat conveying pipes and ducts conserves heat and reduces the consumption of fuel. In no case should the old heating plant be abandoned or condemned until such time as it has been thoroughly studied with a view to the possibility and the practicability of converting it into a serviceable unit.

Nevertheless, there is a definite point beyond which this policy should not be followed, for there is no sense in spending practically as much money to rehabilitate an old boiler as might be spent for an entirely new unit. An estimate should be secured or made as to the cost of thoroughly overhauling and modernizing the old plant as against the installation of an entirely new one. Heating requirements need to be carefully calculated. Consult your architect or local heating contractor for estimates and suggestions.
How to lower a ceiling if the old one is too high

The framework of supporting members for the new ceiling must be firmly attached to the floor joists above, as shown here. Metal lath can be attached after the framework is in place; it presents a solid and fireproof backing for the plaster coat. Plastering is done in the same manner as on ordinary ceilings, but particular care must be taken to secure a good bond. Structural board may be used in place of lath and plaster. It affords a uniform and satisfactory surface, is now widely used.

Interior remodeling tips

Repairing the walls

Wall cracks generally appear above the door frame. The proper treatment is to cut out the crack to a width which will take a fair body of newly mixed plaster. Before this is forced in and smoothed, the edges of the crack must be wet.

When walls are filled with “map” cracks as well as other cracks, it is difficult to make a satisfactory repair. In these cases, the best procedure is to cover the wall with canvas or other fabric. These coverings are cemented into place.

Floors made tight or surfaced

1. New hardwood floors assembled in built-up sections can be nailed directly to the old floor over flooring felt or paper. The quarter-round molding at the bottom of the baseboard must be removed. Nailing is done through the edge of the flooring.

2. Old floors that creak or that are warped should be gone over carefully and renailed to make them tight. Nailing is done with long finishing nails which must be driven at opposing angles to secure anchorage, as is shown in the small detail.

3. Old floors that are covered with several layers of varnish or shellac can be taken down to the bare wood by a good application of denatured alcohol and steel wool. A hand scraper helps.

4. Plank floors which have become loose can be refastened permanently. The wooden plugs which cover the screws or nails should be tapped and picked out and larger screws or nails put in.
In San Fernando Valley
a ranch house is rebuilt

Headquarters of a 14,000-acre cattle ranch was the California home of Mr. and Mrs. Colin Clements. The eucalyptus trees which surround it were brought from Australia seventy years before; and the house, of redwood boards 14” wide, 1½” thick, was for the Clements a dream come true. Here is the main stairway after remodeling; like the whole house it is a perfect setting for the Clements’ American antiques. Other pictures in our November, 1940, issue.
New equipment makes new kitchens

BEFORE REMODELING, this middle-aged kitchen showed all the usual signs of dingy inconvenience. Equipment was old and placed here and there around the room like furniture. Storage space was at a premium, dull walls and woodwork made the room too dark.

AFTER REMODELING, this same kitchen has new equipment grouped in logical order for kitchen work. Continuous work-tops, numerous storage cabinets and a furred ceiling give a modern appearance without serious structural changes. By General Electric

Smooth-sliding drawers with special guides and stops are a desirable feature of these wood cabinets by Kitchen Maid Corp.

Well-designed cabinets provide different types of storage as needed. Closet for hanging pans is unusually good. Cox Kitchens

A small eating space can be separated from the main part of a remodeled kitchen if cabinets are as shown. Amer. Gas Assn.

Continuous worktop of porcelain enamel has opening for top burners of gas range as well as for sink basin. St. Charles

Double compartment sink with standing faucets set into continuous top of pressed wood, steel-bound. Kitchen Maid

Pantry storage cabinets have adjustable shelves, vertical tray storage. Monel metal worktop is attractive. Whitehead-Monel

A compact U-shaped plan has been worked out in this case by turning sink cabinets out into room. American Gas Assn.

Two electric ranges installed under a continuous porcelain enameled worktop will serve a big family. By St. Charles
Remodeling requires some of these

Modern sash is available in such a variety of types and sizes that any existing window openings can easily be fitted from stock, carefully designed and executed. The sliding sash shown above is from Andersen.

Storm sash are standard equipment in conjunction with modern aluminum casement windows. They are attached or detached easily.

Garage doors of swing-up or roll-up type, adding space and convenience, may be installed with simple, sturdy hardware as above. Stanley.

Automatic controls are the brains of the heating plant. The thermostat is one of several such essential controls.

Automatic heat implies an automatic burner adapted to oil, gas or coal. The coal stoker shown above feeds fuel to the fire automatically, according to the demands of the thermostat. Iron Fireman.

A compact heating plant often makes available space in the basement. Hence modernizing the heating system with a new unit, as shown above, may add not only comfort but a new room. Cleanliness of operation is a prime asset here. By Delco.

Air conditioning may be found practicable where sweeping alterations are being made. Ducts must be carefully planned and installed to avoid unnecessary structural changes. Carrier.

New plumbing, especially new supply lines for hot and cold water are often essential in modernization work. The brass piping in this system is typical of the high quality materials available.

Water conditioning is often essential where the water supply contains some impurities. (See detailed purification systems on page 33.) Permutit.

Water supply in areas outside the scope of community water mains is no longer the problem it once was. Compact automatic pumps of any desired capacity may be obtained. The above model is powered by a small efficient gasoline motor; others utilize electricity. The Crane Company.
Ideal remodeling—bedroom in a former Summer camp

At All Hollows Farm, California residence of Mr. and Mrs. Jack Conway, is this charming Colonial bedroom. The house was formerly a Summer camp; other pictures were shown in our November, 1940, issue. In the master bedroom above, white woodwork and French blue and white sprigged wallpaper, with twenty different flowers in peach and rose, provide a colorful provincial background for 19th Century English antiques, which are Mrs. Conway's hobby.
Modernizing interior surfaces

It is a fortunate fact that many of the best materials used on walls and floors of the modern kitchen or bathroom are practically as easy to apply to existing structures as to new buildings. Little material is involved, and much less time than is ordinarily supposed, in transforming the present hard-to-clean and disharmonious surfaces. We suggest here some of the materials and methods by which the old-fashioned bath or kitchen can be inexpensively remodeled for modern bath and kitchen equipment.

New materials for walls

KITCHEN WALLS can be renewed and old plastered walls covered with attractive tile effects in plastic panels. This material can be applied over furring strips nailed to the plastered walls, or they can be cemented to the walls with a special adhesive. Comes in many colors and finishes.

STAINLESS STEEL presents a striking finish, is easy to keep spotless and defies wear. The covering comes in thin sheets or can be had in tile form, or pebbled finish. Application is simple. Plastered walls are cleaned, a mastic is applied and the sheets are adhered. Fitting easily handled.

LINOLEUM or other fabric wall finishes are probably the easiest to apply. The old surface must be entirely free of cracks, and should be sandpapedered or otherwise roughened to secure the best adhesion. Mastic is then applied and the covering spread. Many colors available.

Three ways to renew old floors

OLD WOOD FLOORS can be resurfaced with little trouble by laying flexible tile over them. The old floors should be leveled and repatched where necessary. A primer should be applied to the floor and to the back of the tile, then flexible mastic is spread and tilework pressed into place.

HEAVY LINOLEUM furnishes a quiet and attractive floor covering. The main essential is proper application. The floor is cleaned and leveled and a sheet of felt is laid down on the mastic. Mastic is applied over the felt and the linoleum carefully spread, rolled and weighted.

CERAMIC TILE furnishes a permanent and substantial flooring. The old wood floor must be removed and the joists chamfered. Intermediate flooring must be laid between the joists and the entire area covered with cinders and well tamped. Tile is then laid in solid cement bedding.
A selected group of stock moldings suitable for various parts of the house

Four cap molds. They are used to cover a right-angled joint, as between wall and ceiling

Four baseboards, including molds joining them to floor and wall

Two picture-frames

Three corner cupboards and a bookcase

A spacious bookcase with decorated cornice line; a paneled cupboard below. Morgan

The glazed door on this corner cupboard harmonizes with Colonial furnishings. Curtis

A molded 'shellback' top gives distinction to this open-faced china display cabinet. Curtis

A 1754 original from Maryland was the model for this exquisite reproduction. Morgan

Stock trim

Low past is the time when the millwork for a house was manufactured by the local carpenter. Doors, fireplaces, cupboards, moldings and windows (see page 18) are all now prefabricated parts which may be ordered from a catalog.

This development, however, has caused no deterioration in the standards of design or craft. The best of the modern prefabricated work, turned out by precision machinery in a factory, is well able to stand comparison with the craftsman's handwork of the past.

This is due in large measure to the trouble taken by the leading manufacturers to obtain good designs.

Four different types of stair rail

An 18th Century design gracefully adapted for modern use. It would go particularly well with a Colonial home. Morgan

A simple newel post with immense charm is the feature of this Colonial type. For narrow halls. Morgan

An Early American style which follows closely the English Jacobean type of decoration. Very well adapted for a stairway which rises from the living room. Curtis

From the Maryland State Capitol, at Annapolis, came the inspiration for this unusually fine adaptation. The balusters are quite unusual. Morgan
Three chair-rails. They may serve to mark the top of a dado

Two interior door surrounds

For paneling

Two complete cornices for the exterior of the house

and millwork

Many of the pieces shown here were designed by skilled modern architects, others have been reproduced or adapted from the finest traditional work of the past. In fact the greatest difficulty may be to make a satisfying choice in this *embarras de richesse*. We have illustrated here a few of the choicest pieces, but it may be none will fit your particular needs.

In this case you will be well advised to visit your local building materials dealer; he has pictures and prices of many fine designs that we lacked space to show here. One good rule for choosers of millwork: if in doubt, pick the simplest.

Two simple doorways and two ornate

For a small Colonial house, this simple design would be an excellent choice. Morgan

English Regency, with its refined simplicity, inspired this elegant adaptation from Curtis

The broken scroll pediment is taken from a fine early Connecticut doorway type. Curtis

This Dutch door, with its little hood, will give your house a country character. Morgan

Four simple mantels, all in good taste

For Early American interiors, this exact reproduction of an old Virginia design could scarcely be bettered. The simple surround is typical. Morgan

A Georgian mantel with decoration typical of that found in Mount Vernon and in many other Virginia mansions. Morgan

Typical Colonial moldings, simply arranged, give this mantel a distinction often lacking in more elaborate designs. Edwin Jackson

For a more pretentious interior, or in a very large room, this slightly more complex design would certainly show to very good effect. Jackson
How the plumbing lines work

**LEGEND**

- **HOT & COLD WATER**
- **SOIL & WASTE**
- **VENTS**

**Venting** of bath-tubs, shower receptacles or basins is equally as important as venting the bowl, to insure their safety against siphoning. Vent pipes also keep the waste lines fresh and free of any accumulations of gas.

**Traps** must be installed on the outlets of all fixtures. They serve two purposes. They provide a water seal that prevents odors from the waste lines escaping into the room, and catch rings or other objects that may be dropped.

**Fresh air inlet** provides a means by which clean air will be drawn into the plumbing system and distributed through it. It also prevents siphoning of the house trap and assures a free-flowing and trouble-free house drain.

**The house trap** provides a seal that prevents gas from the public sewer getting into the house system. It is provided with clean-out plugs through which articles that may have passed smaller traps can be retrieved.

**The stack**, which runs from cellar to roof, is the backbone of the plumbing system. All fixtures drain into it, and it conducts the flow to the house drain or sewer which is located in the cellar.

**The soil line** from the closet bowl must be vented so that the seal of water cannot be broken by siphoning action when the fixture is operated. This feature is of great importance.

**Connection** is made, from soil or waste lines to the stack, by means of heavy cast iron branches which are caulked with oakum and lead and tested to insure a perfectly tight fit.

**Cold water** supply lines run up from the water-main in the cellar and branch to the various fixtures. Their size should be carefully considered to insure an ample supply of water, even under maximum conditions of use.

**The clean-out**, at the house end of the house drain is most important. It furnishes a ready means of removing stoppages, or of cleaning out the house drain if the flow becomes sluggish. This is a must in good plumbing

Three rules-of-thumb for remodelers

**The clean-out** plug at the end of the house drain should always be located so that access to it is easy, and working room should be left behind it to facilitate working on it.

**Old bath-rooms** with out-moded fixtures can easily be made modern, as shown at right, if the waste, vent and supply lines are properly placed so that new fixtures can be effectively arranged.

**Modern fixtures** can often be placed so that the old connections can be utilized, and any considerable wall or floor cutting avoided or minimized. Room above is a rearrangement of the one at left.
Pure water is a first essential

Impurities in water

1. Dirt in water is due to the presence of soil particles taken in near the surface. Bad taste and odor result from the near presence of marshy grounds, industrial wastes or chlorinated lakes.

2. Hardness in water is a common source of inconvenience and waste in the home. It is due to the presence of lime, magnesium or gypsum deposits in the earth at the source of supply.

3. Iron in water is recognized by resultant rusty stains and metallic taste. It may be due to the presence of iron-bearing rock in the soil or to the chemical action between the water and the material of the supply pipes.

4. Sulphur is a less common fault. In some locations the well may penetrate to a stratum containing sulphur-bearing rock. Sulphur in water is easily recognized both by its taste and odor.

To remove impurities

1. A straight filter is all that is necessary to remove common dirt from water. In the case of bad taste or odor, an activated carbon purifier must be employed in water conditioning system.

2. Zeolite water softener is used to counteract hardness. Soft water is better for washing and cooking and makes soap last longer. The old-fashioned rain barrel was once the only simple answer to this condition.

3. Iron-removing filters will free water from scum or metallic taste when the cause is iron-bearing rock. When the cause is chemical action between water and pipes a neutralizing agent is used.

4. Activated carbon will successfully combat sulphur if the sulphur content is not too high. In the latter case a new well is the only practical solution, owing to the cost of the remedy.

Typical applications of water conditioners

The country dweller most often derives his water supply from one or more wells. The above diagram shows the water conditioner in the cellar attached to a typical well installation.

The town dweller has water brought to his house in city mains. This water, though probably free of harmful impurities, may still benefit by passing through a water softener and filter.

Any type of installation lends itself to the simple addition of water conditioning apparatus. The type of conditioning provided should be specified only after the water has been analyzed.

Three arrangements for wells and pumps

The jet pump is here located just outside the house with a door connecting the cellar to the pump-house for easy access, a desirable convenience when well can be drilled close enough.

A deep well pump is always located directly over the well head as shown in the diagram above. The horizontal tank is buried in the ground with only a part projecting into the pit.

A marked slope up from the well to the house must be obtained in such installations as this jet pump set at a distance from the well. The slope prevents air from accumulating in the pipe.
Detailed diagrams show you how to construct a simple brick terrace

**STAKE OFF** the proper area and dig a neat trench about 4” wide and 4” deep along the margin. Make the cut as clean as possible.

**SET BRICK** in a soldier course, as shown above, half an inch apart, replacing some of the soil and tamping firmly around the bricks.

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**Improvements—outside the house**

The number of possible improvements which could be undertaken outside of the house are many and varied. We make no pretense of a comprehensive coverage of these items on these two pages. Rather, it is our intention to bring up for discussion a few of the most important items which are apt to be encountered in connection with remodeling work.

The emphasis on outdoor living has made the terrace an important adjunct of the present-day home. Many homes built a quarter of a century or more ago are conspicuously lacking in this regard; consequently, we suggest a method for constructing a terrace which is as practical as it is simple and economical.

The remainder of our suggestions have to do with the often troublesome matter of drainage. In wet weather and during Spring thaws in many parts of the country certain inherent weaknesses in the drainage of your property will become apparent. In most cases, these difficulties can be overcome with some thought and a few hours of a handy-man’s time.

**ROADWAYS ARE WELL DRAINED** when they have a good crown covered with a hard top dressing and when they are provided with drainage gutters on either side. Satisfactory gutters can be made of brick laid up dry in a herringbone pattern, as shown, or with stones set so as to form a galley. For proper drainage the gutters should not be cemented.

**TERRACES** require drainage as well as roads or paths; this can be obtained by a gravel path around the terrace edge (1) or by a trench just inside the edge (2) in which boxwood or other hedge may be planted. Dry wells are not recommended under terraces because of the difficulty involved if they fill...

**DRAINAGE** by means of a cellar floor drain is practical if the house is on an elevation (1) terrain indicates dry surroundings. If the house is located in a hollow (2) or at bottom of a slope a cellar floor drain is quite liable to admit subsurface water, during wet weather, and defeat its purpose.
SAND IS SPREAD in a 2" layer inside of the soldier course and the brick is laid flat in any pattern desired. Leave 1/2" intervals.

BOARDS ARE PLACED outside the soldier course and a mixture of sand and cement grout is poured in between the edging bricks.

THE JOINT between a terrace and the foundation walls of a house is calked with a mastict and dusted over with sand or dry cement.

LOW SPOTS IN LAWNS that create unpleasant pools after a heavy rain should be filled and sodded, if possible, or else a dry well should be installed, beneath them. Tile pipe should lead away from the dry well.

WALLS THAT ARE EXPOSED to a driving rain and which shed a considerable amount of water on the lawn below eventually affect the foundation. The lawn can be banked and a coat of asphalt applied to the lower wall.

CONCRETE WASHING STANDS not only present a surface through which rain cannot penetrate, but they frequently drain the surrounding walls as well. In cases such as this, a floor drain should be installed as shown.

DRY WELLS are easily constructed of a barrel open at both ends and filled with crushed stone or rocks. Tile drains lead away from it. The open top should be covered with screening before the hole is back-filled.

LEADERS OR DOWN-SPOUTS should connect with the tile drains in order to carry the water away from the foundations or footings of the house. The joint where they meet should be cemented to insure proper drainage.

SUMP PUMPS can be installed in any cellar where the waterproofing has failed or where there is continual seepage. Compact units which simply involve the sinking of a steel shell in a cellar floor are generally available.
Screens and awnings
Privacy and protection for porch and house

Venetian blinds have the double advantage of insuring privacy without interfering with the ventilation of a room. Both wood and metal slats are available and come in sizes which fit most standard window frames.

Pipe frames can readily be removed from or installed in sockets in the masonry of the terrace or on floor flanges on the wood floor of an open porch. Where sockets are used they can be plugged when the frame is taken down so that they will not fill up. Pipe also offers the advantage of not being bulky and of being quite easily assembled.

Bamboo screens may be rigged to roll down from the top in the orthodox manner or, by using a long store window-shade stick and pulleys, they can be rigged to roll up from the bottom. This insures privacy on the porch.

Awnings are made today with far fewer pulleys and equipment than formerly. The most up to date type unfurls up with only two cords and it does not have to be lifted as well as furled. The absence of side drops to these awnings permits ventilation as well as protection from the sun, preventing the accumulation of sun-heated air under the awning in extremely hot locations.

Metal frames (left) for porch screens are light and do not obstruct the vision. Corner posts are paneled so that the sections can be slipped into place and fastened with clips thus affording a perfectly solid unit.

Porch screens (right) afford comfort for outdoors. Where wooden frames are used, the corner posts and intermediate posts are fastened to the floor and ceiling with wrought iron brackets, may be taken down.

See complete index and guide to manufacturers on page 42

For the convenience of our readers we have compiled an alphabetical index of all of the varied phases of home maintenance and remodeling covered in this section. By referring to this index you will be able to locate quickly the page or pages devoted to the particular subject in which you happen to be interested.

As an additional service, we also offer a carefully selected list of manufacturers whose products will be found useful in good remodeling work. We have provided this list for the convenience of such readers as may wish to get in touch directly with manufacturers of known reputation. However, House & Garden maintains a Reader’s Service Department devoted to assisting our readers in solving their building problems. We will be very glad to direct you to manufacturers of any building materials or equipment not included in this issue.
Rooms like this, modern to the nth degree, suffer all too often from an old fashioned complaint, the “Heating Blues.” This condition, so distressing to their owners, is usually due to an uncertain, hand-fired heating plant or an automatic burner installed prior to the revolutionary improvements of recent years. The remedy is Today’s Automatic Heating, with Minneapolis-Honeywell Controls. Liberal F. H. A. terms — $7.50 a month or less — make financing easy. Send for interesting free booklet on fuelsaving — “A Heated Question Answered.”

"I always know wise New-Home Buyers by the questions they ask about INSULATION"

—says Albert W. Walker, well-known Builder of Washington, D.C.

Answer this Insulation Quiz—be a wise buyer!

1. Many new houses are not adequately insulated. [ ] TRUE [ ] FALSE
2. Performance of all insulating materials, regardless of thickness, is about the same. [ ] TRUE [ ] FALSE
3. The type of insulation makes no difference. [ ] TRUE [ ] FALSE
4. Home Insulation should be fireproof, rotproof and permanent. [ ] TRUE [ ] FALSE
5. A safe guide to the quality of the insulation is the reputation of the manufacturer. [ ] TRUE [ ] FALSE

Check your answers by marking the appropriate columns and attach this coupon to the brochures shown to the right.

Mr. Walker, builder of 500 houses in the past 3 years, points out to a young couple the advantages of Johns-Manville Pul-Thik Super-Felt Batt-type home insulation. In one of his new homes under construction at Wood Acres, his latest development.

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Johns-Manville ROCK WOOL HOME INSULATION

See advertisement on page 43 in this magazine for information on J-M Rock Wool Insulation for existing homes.

NEW BOOK REVIEWS

June Platt, House & Garden's expert on entertainment and fine foods, picks five favorites

ENTERTAINMENT IS FUN, by Dorothy Draper. New York, Doubleday Doran

DOROTHY DRAPER, in her new book "Entertainment is Fun," gives us a lot of thought-out, really helpful advice on this business of party giving. But it seems that first we should go out and buy ourselves a nice new paint brush and a bucket of paint and a great big brass door knocker and some brass polish. Then, having given our front door a new coat of turquoise blue or Chinese yellow or lipstick red, and having hung the polished knocker as a symbol of welcome from without, our next important requisite is a smiling maid to answer the door from within.

This is all part of setting the stage. Our next problem is to create a feeling of Gala. Mrs. Draper's book radiates Gala from cover to cover. We are urged to banish forever from our souls that "Will to Be Dreary." Having accomplished that, we must give a lot of thought to deciding which kind of entertaining suits us best, formal or informal.

Chapter 8, my favorite, deals with the problem of weekends with hints to both hostess and guest. Then a lot about entertaining out of doors, followed by what to do if "You Haven't a Home." Chapter 11 is devoted to "Entertaining Your Husband" while Chapter 12 asks you if you have all the friends you want. Because you haven't, it seems they may be easily acquired. Be that as it may, Chapter 13 is a lucky chapter for the bride, advising her to speak up and ask her friends to give her what she really wants in the way of entertaining equipment, for every room in her house.


If you have trouble with your parties—made-to-order Formal Dinners would be the "perfect present, from yourself to yourself, in token of your self-esteem." With each menu Mrs. Gooding gives the necessary correct and correspondinig recipes which have been in most cases conveniently calculated to serve right. Everything has been thought out for you, the right menu for every occasion.

Some of the recipes are old family favorites of French Creole origin, others were extracted with more or less difficulty from chefs of European hotels, restaurants, steamships and private houses. Glancing eagerly through the recipes I have marked Danish Pastry—a custard made of twelve yolks and nine whites, a pound of the best brown sugar, no less, and a pint of cream, as being first on a long list slated for an immediate "essayage".

THE MARTHA WASHINGTON COOK BOOK, by Marie Kimball. New York, Coward McCann

The Martha Washington Cook Book is a treat for American gourmets. It came into being through the enthusiastic efforts of Marie Kimball, who obtained permission from the Historical Society of Pennsylvania to prepare it from the original manuscript, never before released for publication.

In the Division of Manuscripts of the Historical Society of Pennsylvania lies the original, a small brown, leather-covered volume, a book of cooking rules written by Frances Parke Custis, the mother of Martha Washington's first husband, who gave it to Martha Washington, who had the good sense to use it while living at Mount Vernon, thereby winning fame for herself as an accomplished housewife and hostess.

Those of us who love history will love Mrs. Kimball's introductory chapter devoted to the Washingtons and their domestic problems; those of us who are gourmets will be charmed by the decorative endpapers depicting the Mount Vernon kitchen garden; and as for the rest of us who enjoy playing old recipes on a golden pedestal, we will find ourselves in an entrancing world of Scotch Cools, Syllabubs and Whipped Poppets.


Wishing to inspire Americans to a greater and wiser use of herbs in cooking, Mrs. Irene Botsford Hoffmann, President of the Berkshire Garden Center, authority on the growing of herbs, has written a book on the art of flavoring and seasoning. Starting her book with an alphabetical list of the culinary herbs, she then proceeds to give the herbs their uses, whether seeds, leaves, stalks or flowers. The book, if read with care, should lead the way to new and exciting adventures in cooking.

HAWAIIAN AND PACIFIC FOODS, by Katherine Bazeo. New York, M. Barrows and Co.

Miss Katherine Bazeo, Chairman of the Home Economics Department of the University of Hawaii at Honolulu, has dedicated her former students an extensively written and comprehensive cook book entitled Hawaiian and Pacific Foods. Having lived in Honolulu and the neighboring communities for eleven years, Miss Bazeo writes with authority and understanding on the subject of Hawaiian as well as Samoan, Chinese, Japanese, Korean, Portuguese, and Filipino cuisines and customs, and presents a short historical and culinary background to the actual recipes represented each of the countries mentioned. It is a book that should be irresistible to all devotees of the unusual in texture and flavor.

—June Platt
Rooms like this, modern to the nth degree, suffer all too often from an old fashioned complaint, the "Heating Blues." This condition, so distressing to their owners, is usually due to an uncertain, hand-fired heating plant or an automatic burner installed prior to the revolutionary improvements of recent years. The remedy is Today's Automatic Heating, with Minneapolis-Honeywell Controls. Liberal F. H. A. terms — $7.50 a month or less — make financing easy. Send for interesting free booklet on fuel saving — "A Heated Question Answered."
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DOROTHY DRAPER, in her new book "Entertainment is Fun," gives us a lot of well-thought-out, really helpful advice on this business of party giving. But it seems that first we should go out and buy ourselves a nice new paint brush and a bucket of paint and a great big brass door knocker and some brass polish. Then, having given our front door a new coat of turquoise blue or Chinese yellow or lipstick red, and having hung the polished knocker as a symbol of welcome from without, our next important requisite is a smiling maid to answer the door from within.

This is all part of setting the stage. Our next problem is to create a feeling of Gala. Mrs. Draper's book radiates Gala from cover to cover. We are urged to banish forever from our souls that "We're Just Like Anybody." Having accomplished that, we must give a lot of thought to deciding which kind of entertaining suits us best, formal or informal.

Chapter 8, my favorite, deals with the problem of weekends with hints to both hostess and guest. Then a lot about entertaining out of doors, followed by how to do "If You Haven't a Home". Chapter 11 is devoted to "Entertaining Your Husband" while Chapter 12 asks you if you have all the friends you want, because if you haven't it seems they may be easily acquired. Be that as it may, Chapter 13 is a lucky chapter for the bride, advising her to speak up and ask her friends to give her what she really wants in the way of entertaining equipment, for every room in her house.


If you have trouble with your party menu, Formal Dinners will be the "perfect present, from yourself to yourself, in token of your self esteem." With each menu Mrs. Gooding gives the necessary corresponding recipes which have been in most cases conveniently calculated to serve eight. Everything has been thought out for you, the right menu for every occasion.

Some of the recipes are old family favorites of French Creole origin, others were extracted with more or less difficulty from chefs of European hotels, restaurants, steamships and private homes. Glancing eagerly through the recipes I have marked Danish Pudding, a custard made of twelve yolks of eggs, white sugar, a pound of the best brown sugar, no less, and a pint of cream, as being first on a long list slated for an immediate "essayage." The Martha Washington Cook Book. By Marie Kimball. New York, Coward-McCann

The Martha Washington Cook Book is a treat for American gourmets. It came into being through the enthusiastic efforts of Marie Kimball, who obtained permission from the Historical Society of Pennsylvania to prepare it from the original manuscript, never before released for publication. In the Division of Manuscripts of the Historical Society of Pennsylvania lies the original, a small volume bound in leather and rules written by Frances Parke Custis, the mother of Martha Washington's first husband, who gave it to Martha Washington, who had the greater desire to use it while living at Mount Vernon, thereby winning fame for herself as an accomplished housewife and hostess.

Those of us who love history will love Mrs. Kimball's introductory chapter devoted to the Washingtons and their domestic problems; those of us who are garden enthusiasts will be charmed by the decorative endpapers depicting the Mount Vernon kitchen garden; and as for the rest of us who enjoy placing old recipes on a golden pedestal, we will like finding ourselves in an entrancing world of Scotch Scones, Sylvia's Whipped Pots.


Wishing to inspire Americans to a greater and wiser use of herbs in cooking, Mrs. Irene Botsford Hoffman, President of the Berkshire Garden Center, authority on the growing of herbs, has written a cook book on the art of flavoring and seasoning. Starting her book with an alphabetical list of the culinary herbs most frequently used in cooking, Mrs. Hoffman informs her readers which part of each herb is used, whether seeds, leaves, stalks or roots. She also tells them when and how it should be used to its best advantage.

Actual recipes are given for soups, fish, meats and poultry, sauces, eggs, dried legumes, macaroni or rice entrees, also fresh vegetables, salads, hors d'oeuvres and cheese dishes, beverages and a variety of fruit desserts, followed by a miscellaneous chapter on currants, honey and its uses, seed breads, seed cakes and cookies, and a few menus. This book, if read with care, should lead the way to new and exciting adventures in cooking.

HAWAIIAN AND PACIFIC FOODS. By Katherine Banore. New York, M. Bar­tones and Co.

Miss Katherine Banore, Chairman of the Home Economics Department of the University of Hawaii at Honolulu, has dedicated to her former students an enlightened and comprehensive cook book, Hawaiian and Pacific Foods. Having lived in Hon­olulu and the neighboring communities for eleven years, Miss Banore writes with authority and understanding on the subject of Hawaiian as well as Samoan, Chinese, Japanese, Korean, Portuguese, and Filipino food and food customs, giving authentic culinary background to the actual recipes representing each of the countries mentioned. It is a book that should be irresistible to all devotees of the unusual in texture and flavor.

—June Platt
IN DEFENSE OF CONTRACTORS

(Continued from page 21)

... and that little grin of his, which made me do a lot of wondering.

That's enough. We could go on that way for a long time. We insulated the house with rock wool and our handyman, who had learned what Utopia meant, also built him a house and it was well insulated and well shingled and prettily lined with knotty pine—on us. Just try to figure out your lumber dealer's bill and despite a suspicion, at which you rebel, decide how much went into your place and how much into your handyman's. Oh yes, that guy also built him a road and, what's more, when we planned an orchard, he did, too. Where are all those trees I paid for, anyway? And what a coincidence, that taste of the handyman and the Little Woman. She liked delft blue for the bedroom walls. So did Harold. And his kitchen is exactly the same colors of that fine new kitchen we built. And what is the name of that dandy liquid wax we put on the knotty pine? Well, ask Harold. His living room is finished just like ours.

Paging Mr. Edison!

We bought our own light plant and we imported our own hoy to wire the house and install it. What a job! We are entirely independent of the Connecticut Light & Power Company. But we arranged for supplemental 12-volt circuits to feed right off the batteries when the plant isn't running. Then 12-volt lights don't work and, no matter what combination of wires we set up, the circuits at all times, on or off, are draining the batteries so that the charge is drawn off, making the expense of a remote stop-and-start station just a luxury that won't work.

You would never know that place. We have just transformed it. It is snug, spacious, well-built, insulated and we'll have a fine home when we get it finished.

When we get it finished. We have a garage but there are no doors on it. Those hard-wood, double floors are a long way off. That guest room, for which we had allowed ample funds, still is a dream. The well remains unstoned or unlined and there isn't a storm window on the place or so much as one inch of weather stripping. And it gets cold and the wind howls and hard up on our Connecticut hilltop.

We had labor trouble, too, being our own contractor. That was one reason we had to call in a swell, honest contractor to finish the garage and close up a few walls in the side of the house which we left when our help, which we hired and made sacrifices for so the payroll could be met, walked out on us in a huff.

Where did the money go?

But the trouble was that by the time that contractor began extracting us from the mess, we ran out of money, couldn't get any more, and had to confess that we would have to await a brighter and wiser day to go on with the job. We could have kept that contractor going for a week, and his three men too, with what we wasted on flash...
"You don't know what this means to me!"

**Picture yourself** in this pleasant kitchen! The efficient Camberley sink has deep basin with cup Duostainer, wide ledge, two drainboards with plenty of working space . . . mixer fitting with swing spout . . . rinsing hose with new cool-grip nozzle . . . glistening, durable, acid-resisting enamel. Remember, Kohler quality costs no more!

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**WE DISCOVER**

In Central America, a country of fathomless lakes, roaring volcanoes, undiscovered, unspoiled

The atmosphere of Guatemala is like an exhilarating tonic mixed from eternal Spring, ever-green hills and lofty volcanoes. Here you find rugged beauty, even majesty, but yet a simplicity of life, tranquillity and quiet beauty.

This is Guatemala, Central America, that section of the northern continent which lies just south of Mexico, and which until 1821 was owned and ruled by Spain. Today the government of Guatemala is democratic and representative.

**A mile-high capital**

As we start exploring this little republic, we begin at the mile-high capital—Guatemala City—with its two powerful races, the Mayan civilization which antedates our own Christian era, and the Quiche civilization.

Here in Guatemala City we find century-old cathedrals, museums and native markets, bright with tropical fruit and odorous with stews and rice being cooked over small charcoal braziers. Here are shops displaying Indian weavings, hand-made potteries, feather work, hucksters and carved woodwork.

Guatemala City, seventy-five miles inland from the Pacific Ocean, is laid out in checkerboard fashion, its streets lined with stucco buildings of many colors, but usually of only one story. It is a city overrun with spacious parks, from whose streets one may peer through half-open doors into patios, cool and secluded, yet colored with riotous bursts of tropical blossoms brilliant in the sunlight.

Wealth from the exportation of coffee and bananas and the importation of flour and manufactured goods made possible the building of stately homes whose windows are grilled in the Spanish fashion, leaving an open vista to the green mountains which sweep the sky in every direction.

This long-established wealth also led to the cultural outcroppings of well spoken, well dressed Guatemalans whose features remind us that Spain conquered Guatemala four centuries ago and stamped it, not only with her architecture and religion, but her language and her race.

In Guatemala City we also find passive immobile Indians. The women, gaily dressed in bright red, terra-cotta and black "huipiles" or short woolen jackets with string upon string of gaudy beads.

**Antigua was planned**

From Guatemala City we leave for Antigua, a city which lies under a bright blue sky between two savage, impressive volcanoes. Antigua did not evolve from cow paths or from a frontier town as have so many cities in the United States, but was carefully planned and pondered over.

When the conquistadores decided upon this fine site for their city, cool and brilliant, they brought their own architects and engineers, their own artists and artisans to lay out along the noblest lines a city in which Span-

**Lake Atitlan reflects** the shad-ows of the gargantuan volcanoes surrounding it. Take a boat across the lake to the village of Santiago de Atitlan, on the bay at the foot of the giant San Pedro volcano, or climb the winding road to view the lake, an azure jewel 2,000 feet below

**The famous white church** of Santo Tomas Chicxulubangu, built in 1540 by the Dominican Order. Here officiates Father Idelfonso Rossbach, who came to Guatemala forty years ago and stayed to become the country's best loved priest. Throughout the years, devout Indians have built Father Rossbach a fine collection of jadeite relics.
Mountains and valleys viewed from the train as it starts climbing from Puerto Barrios. Guatemala fades into a still life of cool tropic green, spotted with white houses. Barefoot Indian children are seen traveling on foot from village to village, or to a neighboring watering place.

Colorful costumes are worn by the Indian women of the highlands. Each district has its own particular style of dress, lending a diversity of color rarely found in any other region in the world.

Checkerboard effect of clay on the Gokumatz Arch, Arch of the Serpent, the sacred bird of Guatemala. This is the northern entrance to the town, Chichicastenango. Through this arch runs the road to Quiche and over it passes one of the quaint town streets. Indians come from their scattered abodes carrying their wares to sell at the town market.

The Indians here are standing before the doors of their thatched-roof huts, they are gathered at the common washing pool—pila—which occupies the center of the town. Here in Chichicastenango, market places heaped with native baskets, and pottery and fabrics, may be visited; and processions, those esoteric religious ceremonies, may be seen on festival days.

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(Continued on page 50)
GREENS FOR SALAD BOWLS
F. C. Coulter writes of the crisp and fresh delicacies to sprout in this Spring’s gardens

Then, though green turtle fail, though venison’s tough, And ham and turkey are not boiled enough, Serenely fail, the epicure may say, Fate cannot harm me—I have dined today.

Thus Sydney Smith, celebrated wit and canon of St. Paul’s, singing of salads. But though a good salad will indeed compensate the defects of an otherwise poor dinner, its true place is one of high honor: the better the dinner, the more important the salad. Its crisp freshness and native flavors enhanced by proper dressing form the perfect répique to any culinary triumph: deep-seated needs are gratified by the essential essences hidden in its plants.

The real McCoy
If there were no other justification for the home vegetable garden, there is ample, weighty and sufficient reason in the prospect of fresh and varied salad materials. No demonstration being needed to show that the fresher its constituent parts, the better will be the prospect of fresh and varied salad which is neither the sticky little p-s-

Further, it must be shown that the fresher its constituent parts, the better will be the prospect of fresh and varied salad which is neither the sticky little p-s-

the dank quarter of a wet and wilting lettuce that too often debase the term, even in this salad-conscious country.

How to grow them
We are here concerned, however, not with the compounding of salads but with the growing of salad plants, and of these in general it may be said at the outset that they are to be raised as quickly as their natures allow. Let them expend their energy, not on a struggle for existence in rough soil, but on the perfection of growth only to be attained in fertile earth, worked into good tilth, moist but not wet, and limed if necessary to avoid acidity. This applies in particular to lettuces, the foundation of most salads, which would less frequently disappoint the gardener if planted in such a plot and earlier in the Spring, for it is primarily a cool-weather crop, though some of the new varieties will withstand a certain amount of Summer heat without getting scorchèd or bolting to seed. Further, it has such a small root system that plenty of plant food is essential.

There are a hundred varieties of lettuce (and, unhappily, a thousand

SWEET PEAS
The correct way to get the best blooms
From yesteryear comes the saying, “Plant sweet peas on Saint Patrick’s Day.” This is true insofar as they should be planted very early in March.

The most important thing in sweet pea culture is the preparation of the planting spot. Make a trench by removing soil to a depth of 2½ ft. Place 6” of well-rotted cow manure at the bottom and fill to within 6” of top with good soil. Mix in a little bonemeal and superphosphate.

Soak seeds overnight in water, to insure better germination, and then sow about ¼ of an inch apart and cover with 1” of soil. As seedlings appear and grow fill soil in about the plants until your trench is level with the soil surface.

When the young plants are about 3” high, thin out so that they will stand around 5” or 6” apart. Be very careful in this operation to save only the sturdiest, healthiest looking vines.

As the plants reach a height of 6 or 8 inches give them a permanent support of fine brush or galvanized chicken wire.

Once a week water the entire trench with a weak solution of manure water. In hot weather, at the first signs of drying out, give the entire row a good soaking. Green fly is the only serious insect to be on the lookout for. It can be checked with Wilson’s O.K. plant spray used 40 to 1.

Have you an “ARCTIC ZONE” in your home...rooms hard to heat? Then send for J-M’s fascinating Free book on Home Insulation — “Comfort that Pays for Itself”...

THE discomfort of cold rooms is not the only price you pay for living in an uninsulated house. You also pay another penalty—LARGER FUEL BILLS.

So, why not “kill two seals with one stone” and put an end to cold rooms and fuel waste! Have your home insulated the thorough J-M Manville way . . . Cut your fuel bills up to 30% . . . These savings will begin to pay for the job right away . . . Eventually they will put dividends back in your pocket!

But remember, this isn’t true for just any insulating job. You have to specify J-M Rock Wool. Then the job will be done by an approved J-M Home Insulation contractor . . . scientifically “blown” in to uniform density. He employs only trained men. He does not skimp on material. He leaves no loosely filled or forgotten areas that leak heat. Rooms will be warmer in winter, and up to 15° cooler in hottest summer weather.

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See advertisement on page 38 in this magazine for information on J-M Insulation for new homes.

WHERE DID HE COME FROM?
I DON’T KNOW—HE MOVED IN RIGHT AFTER YOU SAID YOU WOULDN’T INSULATE
The war, in forbidding us the foods and wines of Europe, spurs Yankee initiative to new markets

From South America, Canada, Hawaii, Australia, Java, a procession of imports pours in—to replace in part the wines and cheeses and other delicacies that formerly came to us from Europe. For, while there is a thin intermittent dribble of Spanish sherries and Portuguese sardines, and a wide steady stream of Scotch and Irish whiskies, biscuits, jams and jellies pouring across the Atlantic, practically nothing has been shipped from France, occupied or unoccupied, nor from Denmark, Norway, or Sweden, nor from Poland, nor Russia. And Italy must ship what she can spare through the long, slow, costly route of Lisbon, the last free port in Europe.

For the die-hard gourmets, there are, of course, stocks on hand of fine vintage wines, French champagnes and brandies, of real Strasbourg pâte, of pungent French and Scandinavian cheeses, and even of truffles. But these exist on borrowed time—they are not being replaced. There has been, for example, no considerable shipment of caviar from Russia in over a year. By and large, America must turn to her own resources and to the new ones she is discovering.

As to cheese, excellent parallels are being made domestically for most of the famous European ones. Stilton has not yet been successfully made here, nor does it need to be—it is still arriving from Britain. The Scandinavian Primula, Munster, Tilsiter and the brownish Gjetost made from goat’s milk are among the missing. But most of the others are on hand. Here are some alternatives: for Roquefort—the slightly milder but equally pungent Argentine Blue. For Brie—Delico or Kolb Brie from Illinois are both worth trying. . . . For Port du Salut—Canada’s famous Oka made by the Trappist monks. . . . For Camembert—any one of several domestic brands, Ehlendale or Delico, both good, or Military brand which, though

From Hawaii (right) come taro chips, full of vitamins, crisp and delicious with cocktails or added to any thin clear soup. The button-size beaten biscuits might hold smoked turkey pâte or slivers of U. S.-Polish ham. Vendôme

From Iceland (left) tiny peeled cocktail shrimps and smoked herring bits to replace the Scandinavian smoked fish. Jar holds America’s new mushroom mustard—a challenge to French chefs. All from B. Altman

Vitamin bread (right). The British Government plans to feed its fighting peoples just such loaves as this, chockful of the important B-Vitamins which mean energy and alertness. This is Schrafft’s crusty “Old-fashioned Home Loaf”
somewhat milder, has the proper Camembert consistency. . . .

For Gorgonzola—"De Lorenz" Gorgonzola from South America. . . . For Parmesan, an Argentine version which merits a trial. Uruguay and Argentine are both sending us red-cheeked Goudas; and there are splendid domestic ones from both Wisconsin and Illinois as well as Edams. Though some Swiss cheese is still coming, reliable fondues can be concocted from the Wisconsin Mc-e-Bit. . . . And Kraft’s Liederkranz, agreeably tamer than the imported and milder, is delicious.

All of the domestic cheeses are not imitative. California markets a mellow Sierra cheese, similar to Camembert in texture, but with a different wild flavor, which should be tasted at least once. And Wisconsin offers a sharp smoked cheese, aged over hickory logs and reminiscent of English cheddar.

The delicious little smoked fish from Scandinavia which were used alike for hors d’oeuvre, smöråsbord and antipasto come no more; but Iceland sends us tiny brook trout and the like, and Canada such delicacies as "Silver Eel" from the Richelieu River, smoked Swedish fashion. The dearth of French and Italian olive oil hampers domestic experiments in this field.

There are no more Dijon mustards on the way, nor red wine vinegars, nor truffles. Nor Strasbourg foie gras. But American smoked-turkey foie gras (see below) and pâté are designed to fill this gap, as are the tiny smoked-turkey salsages from Oregon. Prague-type hams are tinned successfully here—their flavor, according to gourmets, improving steadily. Canadian bacon, less salty than Irish, is much in demand.

Here and there: Formerly brandied, dessert fruits are now being put up in rum. . . . The only food from England the war has cut off is, incongruously, kangaroo tail soup. . . . Aside from French imports and vintage wines, the liquor picture is not greatly affected yet; though the dwindling stocks of French vermouth will soon be noticed by cocktail-drinkers. One famous bartender uses a dry domestic vermouth, Miramar, instead of the far too expensive French in his celebrated Martinis.

American foie gras (left) made of smoked-turkey livers—newest alternative for imported foie gras. Wild, sweet, smoky, it is not to be compared, has a distinctive flavor of its own. Equally good is the turkey pâté. Pinesbridge from a Karlsbad recipe (right). Thin-as-paper wafers to go with tea or sherry. Crunchy, faintly sweet, flavored delicately with almonds and vanilla beans, these are the “Oblaten” you once ate abroad. From Maison Glass.

Cheese and sweet butter (left). No uncommon sight in Italy is this baseball shaped “manteche”—a thin hland rind of cheese stuffed with creamy sweet butter. Same cheese fashions the horse and hound. Francesco Alleva.

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SIX STEPS IN LAWN CARE

Proper Spring preparation and care will lessen hot weather "wearing of the green"

A good lawn is the most talked-of subject among gardeners. Each one will spend hours laboring over the most minute weed, watering, fertilizing and following every suggestion he hears. Still the lawn does not come along as desired, and his every effort was apparently wasted.

The thing to do is give the lawn a proper and thorough going over as early in the Spring as possible. The treatment suggested below should get the grass off to a good healthy start to carry it through the Summer. Weeds won't grow as freely and watering will be no great problem.

**Rake the lawn** vigorously with a sturdy iron rake. Tear out all old grass that is matted about the roots and scratch up the surface soil. This cleanup will give the plants a new life.

**Spike the soil** to a depth of 6" using a spiked roller or a small hand spiker. Go over the entire plot. This will admit air to the plant roots and allow the plant food to penetrate deeper.

**Feed the grass** with a complete, balanced plant food. Spread lightly and water in. The plant food, deep in the soil, forces the roots to grow down to it rather than grow up to it.

**Spread topsoil** over entire area and then work it in well with the back of the rake. Be sure your topsoil is good and as weed-free as possible. Do not cover plants so as to smother.

**Seed lightly** the entire grass plot. Use only good seed so you are sure it is fresh and weed-free as possible. Hormone-treated seed is a good idea. After sowing rake seed in soil.

**Roll the lawn** when the soil is right. Contrary to opinion, the best time to roll is when the soil is just damp, not wet. If the soil is wet it will pack down and cake, thus causing airless soil.
COMING EVENTS

House & Garden presents the first of a series of monthly events throughout the country

SPRING, 1941, is here—velvet lawns, emerald sky and balmy weather. You may have worked hard all year without a word of complaint—yet, when you feel the first warm rays of the Spring sunshine, you will long to change faces and places and find out what's going on around the country.

With the assistance of this calendar of events throughout the country, during the month of March, you can select all sorts of entertainment where whole families, as well as just young fry, can and do have the time of their lives.

CELEBRATIONS AND FESTIVALS

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
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<tbody>
<tr>
<td>March 22-30</td>
<td>5th Annual All-American Flower and Garden Show, Seattle, Washington</td>
</tr>
<tr>
<td>March 24-29</td>
<td>The Philadelphia Flower Show, New York City (Grand Central Palace)</td>
</tr>
<tr>
<td>March 22-29</td>
<td>The 70th Annual New England Flower Show of the Massachusetts Horticultural Society, Mechanics Bldg., Boston</td>
</tr>
<tr>
<td>March 17-22</td>
<td>International Flower Show, New York City (Grand Central Palace)</td>
</tr>
<tr>
<td>March 8-23</td>
<td>Annual Pilgrimage to Natchez given by the Pilgrimage Garden Club, Natchez, Mississippi</td>
</tr>
<tr>
<td>March 1-2</td>
<td>6th Annual Azalea Trail of River Oaks Garden Club, Houston, Texas</td>
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<tr>
<td>March 16-30</td>
<td>Spring Fiesta, New Orleans, Louisiana</td>
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EXPOSITIONS AND FAIRS

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<tr>
<td>March 1-15</td>
<td>United North and South Amateur-Professional Best-Ball Match Play Championship, Pinehurst, N. C.</td>
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<tr>
<td>March 10-15</td>
<td>12th Annual Si. Petersburg, Florida (Biscayne Bay)</td>
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<tr>
<td>March 6-10</td>
<td>16th Annual Miami Yacht Club Mid-winter Sailing Regatta, Miami, Florida</td>
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Horticultural

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Livestock

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<tr>
<td>March 27-30</td>
<td>Horse Show, Phoenix, Arizona</td>
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Miscellaneous

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<tr>
<td>March 10-15</td>
<td>Lake County Fair, Eustis, Florida</td>
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<td>March 11-15</td>
<td>Highlands County Fair, Sebring, Florida</td>
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<td>March 13-23</td>
<td>31st Nat'l Orange Show, San Bernardino, Cal.</td>
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Sports

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<td>March 12</td>
<td>Ice and Snow Sports</td>
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<tr>
<td>March 1-2</td>
<td>Pacific Coast Intercal- legiate Ski Union and Pacific Coast Conference Ski Championships, Yosemite, California</td>
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<tr>
<td>March 14-15</td>
<td>Far West Kandahar Ski Meet (Dawson Hill and Slalom), Yosemite, Cal.</td>
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<tr>
<td>March 15</td>
<td>Sun Valley Skating Club Meeting, Sun Valley, Idaho</td>
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<td>March 20-23</td>
<td>National Four-Event, Combined Championships and Harriman Trophy, Sun Valley, Idaho</td>
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<tr>
<td>March 1-2</td>
<td>12th Annual St. Petersburg-Havana Ocean Sailing Race, St. Petersburg, Florida</td>
</tr>
<tr>
<td>March 1-2</td>
<td>28th Annual Bay Power Boat Regatta Off Mi-</td>
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When you use tile you are certain that walls and floors will hold their colorful beauty ... certain that you will have no bills for re-painting or re-decoration. The first cost of a tile installation is the only cost ... and there is no substitute for real tile. It is an investment in lasting satisfaction ... a constant source of pride. Tiled rooms increase the value of a home far out of proportion to their actual cost ... and you can have the lovely tiled rooms you really want for just a few pennies more a month. You know that tile is good ... let your local tile contractor show you how reasonable it is to enjoy the luxury of smart, stylish tiled rooms.

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CITY
STATE
MARCH, 1941

obtainable with any other product.

Collopaking process. By this ex-

clusive method, the pigments are

divided to sub-microscopic fineness

giving a depth and richness not

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Collopaking process. By this ex-

clusive method, the pigments are
divided to sub-microscopic fineness

colloidally and low cost.

On clapboards, too, Cabot's Creosote

preservative known. You protect your house against time and

weather when you use these stains, because

their vehicle is pure creosote—best wood

preservative known.

Cabot's

for beauty at low cost

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Cabot's Stains can give you the benefits of our patented Collopaking process. By this exclusive method, the pigments are divided to sub-microscopic fineness and colloidally combined with the vehicle. When you use Cabot's Stains, the color penetrates further, giving a depth and richness not obtainable with any other product.

Cabot's Shingle Stains

Creosote or Heavy-Bodied

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New Fireplace—Old Mantel

QUESTION: I have had a new fireplace installed in my Vermont farmhouse, retaining the old mantel which was left there boarded up. After the house was painted and fires were started the mantled board burned, then blistered. The blisters were full of water and the painter suggested that the cement in the new chimney had not had time to dry. He scraped it all off and then repainted but it has blistered again. Can you offer any solution to this problem?

Answer: We are more inclined to believe that the seasoned old mantel may have been replaced with a new board of sappy wood. The heat boiled the sap out under the paint, causing blisters, or else the brick behind the board became so hot that the paint blistered.

To prevent the wood from becoming too hot, put a sheet of asbestos back of it. There should be at least two courses of brick behind the wood. Fireplace should be lined with fire-brick right up to the opening.

Baedeckine Opened in 1906

QUESTION: I am after an old bit of information and, having read your articles on vine, would like to be told if a bottle of Benedectine once opened before the San Francisco fire of 1806—but tightly corked, then put away and never opened since—still is fit to drink or has it become poisonous in any way. Do you know? Then please oblige an old lady. I have never met anyone who knew.

Answer: We feel sure the Benedictine is still fit to drink even though it was opened over thirty years ago, and in this period of time it should have acquired a rare flavor.

Fiber Tape to Conceal Cracks

QUESTION: We are remodeling an old farmhouse which is to be used as a ski cabin. The upstairs halls is drafty because of two exposed walls on the angle of the house, which are of rough siding. We don't plan to plaster but would like to cover the cracks enough to make a fairly smooth foundation for painting. Is there a way without too much trouble or expense?

Answer: A fairly simple procedure for "unskilled" labor would be to cover the cracks with the perforated fiber tape which is used to conceal wallboard joints. First cover the cracks with the specially prepared cement, using a 5" putty knife. Apply tape directly over the cement and press into place with the putty knife. This automatically forces some of the cement through the perforations. Smooth over the tape and allow it to dry. Then apply another thin coat completely to obscure the tape.

How to Clean Brick Surfaces

QUESTION: I have recently had a

specifies mahogany furniture for tropical use where conditions are severe, it should certainly be satisfactory on Long Island, which is normally not very damp.

(Continued on page 49)
To Every Woman who wants a Better Kitchen

"The cooking school instructor makes it look so easy, Sally. Maybe I'm never going to be a successful housewife." "Piscoy, Jane, part of your trouble is the kitchen in that old house you and Pete bought. It needs remodeling."

Preservative for Old Wood Floor

Question: We are using an attic room as a pewter and game room, and the old floor isn't holding up very well under the strain. Is there any finish we can apply which will withstand cigarette burns and spilled drinks?

Answer: Since the floor is an old one try one or two coats of good colorless preservative.—A.

Damp Spots on Wallpaper

Question: The walls of our ninety-year-old stone house seem to dampen the wallpaper in the lower rooms, leaving blotches and spots. We are using an attic room as a pewter and game room, and the old floor isn't holding up very well under the strain. Is there any finish we can apply which will withstand cigarette burns and spilled drinks?

Answer: Since the floor is an old one try one or two coats of good colorless preservative.—A.

Architects! Decorators! Painting Contractors!

These Clear, Brilliant New Tinting Colors Permit Many Effects Previously Impossible!

If you have restricted yourself to the effects obtainable with conventional colors in oil, a big surprise awaits you the first time you use Martin-Senour Nu-Hue Liquid Colors. These 16 basic colors, formulated after years of research, make possible many color effects hitherto regarded as impossible.

These amazing new colors are clear and brilliant. They let down into limewash and shades without losing either of those qualities. Muddy pastels and off-shade tints are definitely out! And these colors work equally well indoors or outside, with wall finishes, house paint, or enamels!

This Nu-Hue Color Directory Puts "A Handle on the Rainbow!" To enable you to visualize the possibilities of Martin-Senour Nu-Hue Liquid Colors, we have prepared the Nu-Hue Color Directory—pronounced the most revolutionary achievement in paint history. Write for complete information, using your professional letterhead.

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QUESTIONS AND ANSWERS

(Continued from page 49)
cabinets for radio-phonographs are available in Chippendale, Hepplewhite and Louis XVI styles, and your choice will depend upon whether you want the feeling of the French or English to predominate.

Antiquing, Staining Woods

QUESTION: What treatment is used to gain an antique effect on stained woods?

Answer: One method of antiquing and staining wood is to apply a coating which may consist of Triple F powdered pumice stone combined with turpentine and a small amount of varnish. The mixture is applied to un-filled, unstained wood and left untouched for about half an hour, after which it is wiped away with a soft cloth so that all that remains is in the grain or the checks of the wood. The more open the grain of the wood, the more satisfactory the results will be. Another type of smut or antique smut finish which leaves a slightly roughened surface is a mixture of glazing liquid or flattening oil combined with powdered rotenone. This finish is applied between coats of varnish, the main surface being wiped off while the corners and depressed portions retain the smut.

Covering Pipes in Game Room

QUESTION: I would like to make a playroom in my cellar. Please give me information on methods and material to cover pipes, electrical wire and beams in the ceiling to improve appearance.

Answer: A good method to use in covering the beams in the ceiling is to nail sheets of composition board directly to them. Any of the good building boards are very well adapted to this kind of job. Be sure to leave a handhold for access to any water supply valves that may be behind the beams. Electric cables will probably be below the low line of the beams’ edge and will be covered. Pipes may be painted to match the ceiling.

Rough Finish on Cement Porches

QUESTION: I have two cement porches, one tinted red, the other a natural gray. Both porches are very rough and look as if they had a scum over them. We were advised to let them dry thoroughly for a month or so and then scrub with sand. This did not improve their looks and I’ve since been told that it is not a “trowel” job. What can I do to get a smoother surface?

Answer: Your cement porches are apparently what is known as a rough job. As a rule, porch floors are “floated” apparently what is known as a rough finish. If this is not done, you have a very porous surface that gives off a mottled, uneven-looking deposit, which is the scum-like look you refer to. An application of cement hardener will fill the pores and leave an even surface which will take paint properly.

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You’ll surely want that new home of yours to have the utmost heating comfort you can possibly build it into. Especially if the cost is no more than for an ordinary heating system! So specify Hoffman Hot Water Controlled Heat and you will have the last word in scientific, balanced heat.

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Send me your free booklet on Hoffman Hot Water Con­trolled Heat.

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Address:

City State:

GUIDE TO MANUFACTURERS

(Continued from page 42)

PLUMBING

Philip Carey Co.
W. A. Case & Son Mfg. Co.
C. F. Church Mfg. Co.
Cranco Co.
Kohler Co.
Standard Sanitary Co.
Philadelphia Plate Glass Co.
Tite Mfg. Co.
Owens-Illinois Glass Co.
Libbey-Owens-Ford Glass Co.
Columbus Coated Products Co.
Stangl Coated Products Co.
Delaware Floor Products Co.
Armstrong Cork Products Co.
Congoleum-Nairn Inc.
Elger Co.

BUILDING MATERIALS

Aluminum Co. of America
Andersen Corp.
Boral-Culman Co.
A. S. Boyle Co.
E. L. Bruce Co.
Case Hardware Co.
W. E. Chey Co.
Curtis Companies Inc.
E. F. Hodgson Co.
Inclinator Co. of America
Kawneer Co.
Masonite Corp.
Overhead Door Corp.
Permutit Co.
Portland Cement Association
Robescreen Co.
Sedgwick Machine Works
Western Pine Association
Weber-Koehler Sales Co.
Shepherd Elevator Co.
The Stanley Works

INSULATION

Philip Carey Co.
Celotex Corp.
Formica Insulation Co.
General Insulating & Mfg. Co.
Homanite Corp.
Johns-Manville Corp.
Kimberly-Clark Corp.
Monarch Metal Weatherstrip Corp.
M. U. S. Gypsum Co.
Wood Conversion Co.
Insulite Co.

KITCHEN EQUIPMENT

Coppek Inc.
Crate Co.
Curtis Companies Inc.
Delco-Griffindale (General Motors)
Eleco Yd. Co.
General Electric Co.
International Nickel Co. Inc.
Kitchen Maid Corp.
Kohler Co.
George D. Roper Corp.
St. Charles Mfg. Co.
Standard Sanitary Co.
Whitehead Metal Products Co.

(Continued on page 52)
names for them) of which some few will be best adapted to local conditions and known as such reliable seedsmen.

The chief element of the lettuce grower, to take reach maturity and are therefore more apt to suffer from the advent of Summer, choose sufficient moisture and the plants of adapted varieties will make for success. Of the popular New York or iceberg type, Imperial 847, Imperial D, Imperial 44 may be recommended, depending on the zone; of the thicker-leaved, butterhead type, the Boston varieties have long been the favorites, and improved strains are now available.

Cos lettuce, thrifter and hardier, deserves to be more widely used in American salad bowls. It is sweet, lacking that tang of bitterness often found in the iceberg type, and from every point of view a good type to grow, including the fact that it has more leaf area in its tall plants. Paris White (the "white" refers to the seed; the lettuce is green) is the ranking variety, but little from the others.

Experiments show, however, that it will thrive only in cool weather. Experience, however, shows that it is more apt to suffer from the advent of Summer than the iceberg type. In appearance it is rather like a iceberg type, yet it advantageously replaces for the home gardeners, but celeriere, or turnip-rooted celery, is very easy to grow and the roots when sliced are good eating, either in salad or as a pot-herb.

Corn salad is quite extensively cultivated in France, where it is called melche, and if grown in fertile soil it is a tolerably good plant for the earliest salad as its texture and color are agreeable, but its flavor, though pleasant, is slight. It therefore needs the addition of some piquant herbs such as the cresses, the combination then being very well balanced. Such as garden cress, or pepper-grass, and Upland, or Spring, cress, both also very early and no trouble at all to grow.

Radish is too well known and too simple of culture to call for any mention here beyond the suggestion that only a very little at a time be sown, since the roots turn pithy so quickly after reaching the eating stage. Try some of the long ones this year, such as French Breakfast or Brightest Long Scarlet, and for Fall planting Chinese Rose.

The average home garden does not have much room for the sprawling vines of cucumber but, if it has a raised bed, there are three varieties introduced in recent years which are improvements on the older types: Colorado, A & C, which have much room for the sprawling vines and stones. Escarole or Batavian, of which Fall Heart is the best variety; and Ruffe, of which the Green is preferred, for late planting. If this is set out in Sep

tember, it may be taken up on the arrival of frost with a ball of earth on the roots and stored indoors preferably in the dark so that it will blanch, and be available for Winter use.

French Endive is Witloof (i.e. white-leaf) chicory; it provides a most delectable Winter salad of distinctively clean, sharp flavor and the perfection of texture. In the garden it is an easy plant to grow, but has a substantial root which requires a decent bit of soil as free as possible from clods and stones. The usual practice is to lift the plants at the approach of frost, cut off the tops an inch or so above the roots which are then stored in cellar or greenhouse, where a few plants at a time are set in soil or sand, and covered with it three or four inches deep. From the reserves stored in the root a compact edible head will soon push up. That seems simple, but actually it is quite a troublesome job, and provided a hard frost does not come too soon, the gardener in reasonably mild areas may content himself with topping the plants in the row and ridgeing up a foot or more of earth on them.

Chinese cabbage

A species that is very deservedly gaining in favor is Chinese or celery cabbage—properly called Pak Cho, and not a cabbage at all but a mustard. It is very easy to grow in Spring or Fall, but needs moisture and plenty of plant food and does not like too much heat. The best variety is Chihili, tall and cylindrical; it should be listed as a "must", for the 1941 garden to provide good greens and better salads.

Celery growing is only for the most enthusiastic of home gardeners, but celeriere, or turnip-rooted celery, is very easy to grow and the roots when sliced are good eating, either in salad or as a pot-herb.

Sowing lettuce

Spring lettuce, in most sections of this country, must be sown in flats or cold frame, thinned out and hardened off before transplanting, which will come about six weeks after sowing. In the garden, the hoe should be used but lightly, remembering those shallow roots. Finally, at the only time when any knife should ever touch a lettuce, is when the plant is raised. Then, cutting the head will soon push up. That seems simple, but actually it is quite a troublesome job, and provided a hard frost does not come too soon, the gardener in reasonably mild areas may content himself with topping the plants in the row and ridding up a foot or more of earth on them.
GREENS FOR
SALAD BOWLS
(Continued from page 51)
small collapsible pots. The cucumber
beetles are aggravating, but can be well
controlled with derris dust.
Mustard is a very useful addition to
many a salad bowl for its pleasant pungency,
and it is very easy of cul-
ture; the most popular variety is now
Southern Giant Curled. The mustard-
and cress of England, a staple Winter
salad there, is really rape and cress,
with a little leaf mustard included.
In the onion tribe, which the true
salad maker will regard as indispensa-
able though to be used with that dis-
creption which raises the practice of the
art above mediocrity, are onions, to be
grown from sets; garlic—to be rubbed
on a crust to be rubbed on the bowl—
grown from its cloves and in rather
poor soil; the mild chives and shallots
which can always be bought in clumps
of little bulbs and then planted out.
If a corner can be found for them,
there are several minor salad plants
such as sorrel, of pleasant light bittersweet
flavor; rocket, sometimes found
on the markets as erucola, a very little
of which will give a distinctive, slightly
brashish taste to a salad that is relished
by some; and dandelion, of which the
cultivated, thick-leaved variety is well
worth growing.
Finally, there are the herbs. In 1941,
no garden, and particularly no salad
garden, will be complete without some
herb section, but that definitely fascinat-
ing subject requires a chapter de-
voted to itself, and to this we must
return later.

BEAUTY AND WEAR — NO EXTRA COST
That finish on Streamline is really beautiful—
so rich and warm and even/ and how every-
one admires the modern "shadow pattern"
effect given by the extra-wide beveled strips.
Best of all, Bruce Streamline costs no more
than ordinary hardwood flooring finished after
it's laid—yet look at the "dividend" you get
for the extra beauty and wear!

MAKE THE "SCRATCH TEST"
VISIT YOUR LUMBER DEALER. See with
your own eyes the proof that Streamline's
amazing new finish resists scratches that mar
and chip ordinary "surface" finishes. See the
warm, rich beauty of this lovely new pre-fin-
tished hardwood flooring that ends "guess
work"—you know beforehand just how
your lovely Streamline floor will look and
wear. Let us send you a
"scratched" page of Streamline
showing Streamline floors in charming homes.
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FLOORING • FLOOR FINISHES • TERMINIX
STREAMLINE HARDWOOD FLOORS
By the World's Largest Makers of Hardwood Floors

GUIDE TO
MANUFACTURERS
(Continued from page 50)
LIGHTING FIXTURES—WIRING
Chase Brass & Copper Co.
Cutler Hammer Inc.
General Electric Co.
Illuminating Engineering Society Lightolier Co.

PINTS
Samuel Cabet Inc.
Martin Senour Co.
Pittsburgh Plate Glass Co.

ROOFING
Red Cedar Shingle Bureau
Ruberoid Co.

GLASS
Libbey-Owens-Ford Glass Co.
Owens-Illinois Glass Co.
Pittsburgh Plate Glass Co.

FLOORS
Tile Mfg. Assoc.
Dunn & Hinde Products Co.
Armstrong Cork Products Co.
Congoleum-Nairn Inc.

CURRENT REVIEW
OLD FURNITURE FOR MODERN ROOMS,
by Edward Wenham. The Studio Publica-
tions, Inc.
If you have a hankering after old furniture (and who has not?) you will
find a wealth of information and count-
less practical suggestions in Edward
Wenham's new book Old Furniture for
Modern Rooms. For this is by no means
just another book on antiques. While
it gives you all the essential facts
about English furniture from the time of
the Restoration of Charles II to the
Regency, it is concerned chiefly with
the kinds of old furniture suit-
able for the average modern house or
apartment.

The book opens with a description
of the various pieces of antique furni-
ture appropriate for use today in our
modern smallish rooms, with advice on
what to look for, how to buy and how
to combine the pieces once you have
found them. In this connection, the
author takes up the main rooms in the
house, room by room, and suggests
types of old furniture suitable for them,
and how to arrange it.

As all the furniture suggested has
been selected for the person of moder-
ate means, this book with its compre-
hensofl chapters on design and ar-
angement, its instructive drawings
and illustrations, will be a stimulating
addi-
tion to your bookshelf. For whether
you are a collector, a young home-
maker with one prized chair, or just a
reader who likes to browse
among the facts and fancies of old
furniture, you will appreciate its prac-
tical approach.

IN DEFENSE
OF CONTRACTORS
(Continued from page 39)

ing and re-fishing a chimney, around
which shingles had been laid, torn up,
relaid, torn up, relaid, etc., so many
times that every time the subject
comes up we have a knock-down, drag
out fight with the Little Woman.

Nobody likes to make a monkey of
himself, especially on paper, in writ-
ing, for posterity.

But this is intended to be a story
with a moral. We believe that we have
turned out to be perfect chumps. And
hope that it may do some good to
point out the pitfalls to others.
We have met up with a lot of other Know-
It-Alls. They are going to save a lot
of dough by dispensing with architects
and contractors.

For ourselves, about the finest
people in this world are competent gen-
eral contractors, electricians, plum-
bbers, highway engineers, masons and
well drillers.

You might add to that list landscape
architects. For me? No. Why would I
waste money on having somebody else
do the landscaping?

I can do that myself, and save a lot
of dough.

THE SCHMITZ-HORNING CO.
781 EAST 82nd ST., CLEVELAND, OHIO

Warms Every Corner of RUMPUS ROOMS

New-Type FIREPLACE Circulates Heat

Now build a Heatilator Fireplace in your
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healthful heat that quickly floods the entire
room. That's because this new-type fireplace
actually circulates heat to far corners, assuring
comfortable room temperatures and warmer
floors.

Architects and heating engineers recom-
end the Heatilator Fireplace for basement
rooms, dens, libraries, summer homes and
guest houses. It makes summer camps usable
weeks longer—even for week-ends of winter
sports.

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Concealed inside the masonry, the Heatilla-
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which any style of fireplace is correctly built.
Faults of design that commonly cause smoking
are entirely eliminated. Adds little but little cost to the fireplace.
Write for complete facts.

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Pick out a site, select from many available plans the Hodgson House you prefer—and you can’t go wrong in your search of an enjoyable home. Prefabricated Hodgson Houses detour the griefs and disappointments which often occur when you build a house “from scratch.” Hodgson designs are authenticated—proved. Our long experience assures their strong, correct, accurately fitted construction. They’ve sound materials; they’re weather-tight, beautifully finished—comfortable. Practical for summer or year-round homes. Shipped in complete, perfect-joining sections, Hodgson Houses can be readily erected by local labor (no need to hesitate because of shortage of skilled carpenters). Hodgson supervision is available if desired. Two to three weeks is all it takes—from house planning to house warming. Think of it! Send for interestingly illustrated FREE Catalog H-12.

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1108 Commonwealth Ave. . . . . . . Boston
VISIT the Hodgson indoor exhibits in New York and Boston. . . . See a completely furnished 7-room Hodgson Prefabricated House—in addition to many other items: guest house, camp cottage, greenhouse, garden furniture, garage, kennels, bird houses.

HODGSON HOUSES

WHY BOTHER WITH BLOWN FUSES?

Is your kitchen as modern as YOU?

Restore service this easy, convenient and modern way! When lights go out, or service goes off... don’t interrupt your busy day to hunt for fuses you never bought, stumble down cellar stairs, fumble gingerly in the old fuse-box wondering what to do. Instead, install the new and marvelous convenience of the modern Cutler-Hammer Multi-Breaker. Then when service fails, you simply step to the kitchen wall, reset a little lever that has snapped out of position... and, presto! your service is completely restored. It is just the same as snapping on a light switch. Nothing to buy... nothing to replace. The average new home can have this modern and safe protection for less than $5.00 additional. Also easily installed in old homes. How can you get one? What are all the facts? Write today for our free booklet “Goodbye to Fuses.” CUTLER-HAMMER, Inc., Pioneer Electrical Manufacturers, 397 St. Paul Avenue, Milwaukee, Wisconsin.

FREE BROCHURE... showing a variety of unusual kitchen arrangements. Write today for your copy—also name of your nearest Coppes NAPANEE representative. No obligation.

COPPES, INC., Dept. 5-31 NAPANEE, IND.
Quality Manufacturers Since 1879

Or is it a little behind the times both in appearance and equipment—the one room you’ve often wished to improve. If so, here’s the solution. Discuss your problems with one of our kitchen planning and remodeling experts. Let him show you how easily and economically your present kitchen can be brought up to date. He’ll take full responsibility for every last detail, so why not decide today that “It’s time to modernize,” and enjoy the beauty and convenience of a Coppes NAPANEE kitchen. It’s the best from every standpoint—the one kitchen you’ll appreciate more and more as the years go by.

The beauty of your walls, the arrangement of your furniture, the comfort, the livability, the equipment of your home—all depend on the right windows. How important, then, to buy GOOD WINDOWS—beautifully designed to harmonize with the architecture of your home, precision-fitted to keep out drafts and save on fuel bills—year after year.

You'll want to know more about Andersen Complete Window Units, used and recommended by architects and contractors everywhere. They are factory-fitted, precision-built, like a fine automobile. Enjoy the beauty of design and depth of window line of these fine wood windows.

COMPLETE PORTFOLIO OF WINDOW BEAUTY IDEAS

PLEASE CHECK: I am planning to build □ Andersen Corp. I am planning to remodel □ Dept. HG-31, Bayport, Minn.

Please send me your Portfolio of Window Beauty Ideas. I understand there is no cost or obligation.

Name: ____________________________
Address: ____________________________
City: __________________ State: _______
"Of course I serve dinner on a table made of wood. My chairs are wood. So is my sideboard. And in other rooms, too, I prefer wood. My piano, my beds, my chests, my windows and my doors, all are wood. So for my blinds, of course I chose Wood Venetians." There is no clash, all is harmony, when you add Wood Venetians to all your other lovely home furniture and furnishings.

Wood Venetians
Wood for Venetians Association

Dear Sir:

... have you ever thought of a California issue picturing gardens and patios?

ARTHUR VON SCHLEGEL, Pasadena, California

We are fully aware of the wealth of color in the gardens of this section. We will plan to cover this subject when space permits.—ED.

Flower Arrangers

Dear Sir:

... many people are interested in seeing flower arrangements. I hope you will show as many of the International arrangements as possible!

MARCELLE MARIE BREAKLY, Mt. Kisco, N.Y.

Dear Sir:

... the January issue of House & Garden, a "shore rip snort" old Western home was pictured.

HELEN HECK, Reading, Pa.

... Western twang from Pennsylvania?

—ED.

Dear Sir:

In your January issue you have an article on "First Principles of Flower Art"... Will you please tell me why in heaven's name you print such articles; they tell us nothing.

FLORENCE R. STEVENS, Harrison, N.Y.

We felt it was a very important foundation to the success in flower arrangements. Throughout the year, there will be more articles by top-notch arrangers.

—ED.

Dear Sir:

In your January issue of Flower Art... the public is so infrequently advised as to the true merits and services of the professionally trained and experienced decorator that an article such as this is really received with appreciation by all of us who are endeavoring to produce a service in this field.

WILLIAM A. KIMBEL, Pres., American Institute of Decorators, New York City

Dear Sir:

... the January issue of House & Garden, a "shore rip snort" old Western home was pictured.

HELEN HECK, Reading, Pa.

... Western twang from Pennsylvania?

—ED.

Monel

... so easy to have with gleaming

Close your eyes and picture your kitchen as you want it—with gleaming Monel. Open your eyes and learn how easy it is to buy and install Whitehead-Monel Kitchen Units... how their lustrous, easy-to-clean work surfaces grow more beautiful with the years—repaying you a hundred-fold in time saved, in sheer kitchen fun! Remember, Monel can’t chip from the slam-bang of pans... can’t crack, rust or wear out. And Whitehead-Monel Kitchen Units bring you Monel sinks, drain boards, and other work surfaces, combined with roomy, matched, metal cabinets to fit any desired floor and wall plan.

Let the free booklet offered at the right help you plan your Monel dream kitchen. Write for it today!

THE INTERNATIONAL NICKEL COMPANY, INC.
73 Wall Street
New York, N.Y.
This is a red-head's room. She doesn't just sit in it. She "wears" it as she would a particularly becoming dress, her favorite hot. And she knows it does things for her—because she "tried it on" before she bought it.

ROOM FOR A **Red Head**

Has it ever occurred to you that you "wear" the rooms in your house just as you do your dresses? And that the colors in your rooms have a lot to do with your looks? This is a new idea in decoration. It is called Colorama.

Whichever you are—blonde, brown-haired, brunette, red-head or silver-gray—certain shades flatter you, others are all wrong for you. This applies to your room settings as surely as to your clothes.

See for yourself how true this is by "trying on" rooms today with the new Colorama Selector—at stores selling Alexander Smith Rugs and Carpets. Also see the Colorama Group of Alexander Smith Floor-Plan Rugs and Broadloom Carpets. Mail the coupon below for your personal color horoscope by Clara Dudley.

**FREE!** Your personal Color Horoscope
Clara Dudley, Color Scheme Consultant
Alexander Smith & Sons Carpet Co.
295 Fifth Avenue, New York, N. Y.
Please send me a color horoscope and your free book: "Colorama—a new idea in decoration."

**ALEXANDER SMITH**
**FLOOR-PLAN RUGS & BROADLOOM CARPET**

"NEARLY RIGHT WON'T DO"
INTERNATIONAL FAMOUS
Desiigner of interiors, furniture, lamps and fabrics, whose
work at the Paris Exposition, Golden Gate Exposition, and
New York World's Fair was widely talked about.

Paul Bry...

THE PROBLEM. In his own apartment
Paul Bry had a window like this,
forming a partial bay. Notice, in
the original state of the room, the
column in the corner, which made
an unbalanced and awkward-look­
ing jog in the right-hand wall.

THE SOLUTION. He took two large Pittsburgh structural mirror
panels and finished the bay. One mirror was set in the same plane
as the window. The other was set at an angle, hiding the ugly
column in the corner. Below the mirrors, an angled sofa was placed,
following the lines of the mirrors. Curtains, Venetian blinds and
a valance completed the job. You can work mirror magic like this
in your home. Send for the idea booklet below.

When you buy mirrors, whether they're
built-in like those above, framed, or part
of furniture, and you see the blue Pitts­
burgh label, it means that the mirror
manufacturer has used Pittsburgh Plate
Glass to give you undistorted reflections.
The modern mirror and furniture in the
photograph at the left are from John
Wanamaker's, New York.

Dress up your bathroom
with walls of Carrara Structural Glass. Carrara won't
stain, fade, or absorb odors. It comes in
ten delightful colors, and it can be pleas­
ingly decorated with figures of your own
choosing, such as those of the birds
above the tub in the room at the right.
Note the Plate Glass shower door.

HOW TO TELL GOOD GLASS
BEFORE YOU BUY

For perfect reflections, look for
the blue label of Pittsburgh Plate
Glass when you buy furniture
or mirrors. Pittsburgh Mirrors
come in blue, green, flesh tint,
white, and with silver,
gold or gunmetal backing.

Look for this label

Free Booklet

For practical ideas on how to use
Pittsburgh Glass in your home
send coupon for our free, illus­
trated booklet of suggestions.

Many of the ideas are shown in
full color. Pittsburgh Products
are readily available through any
of our branches or distributors.

Pittsburgh Plate Glass Co.
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Please send me, without obligation, your free, illustrated
booklet "How to Use Glass to Wake Up Your Home."

Name
Address
City, State

"PITTSBURGH" stands for Quality Glass and Paint
YOU will find in Wamsutta Supercale® sheets an exquisitely fine fabric with a soft smooth finish that becomes even smoother with laundering. Wamsutta’s exclusive EQUI-TENSION process helps to give them a more even weave and greater tensile strength to resist wear. Lighter than other sheets, they cost less to launder. Beautiful and luxurious though they are, they last longer, as five generations of American housewives have proved.

YOU, TOO, CAN PROVE IT. Send 30 cents for a special boudoir pillowcase of Wamsutta Supercale (size 12” x 18”, not sold in stores) and make your own tests by actual use. We will be glad to send you, free, "A Guide for the Bride," to help estimate sheet and pillowcase needs for any size of budget. Address: Dept. G-1, Wamsutta Mills, New Bedford, Mass. — Since 1846, The Finest of Cottons.

"The girl who catches the bride's bouquet is going to be married within a year." Tossing her bouquet to her bridesmaids is now as time-honored a custom for the American bride as having Wamsutta Supercale sheets for her trousseau... A stock of beautiful, long-wearing Wamsutta is the best investment a girl can make, the most welcome of shower gifts, the loveliest of wedding presents.

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OF AMERICA
Rich in Tradition

These designs were inspired by the creative genius of old-time silversmiths. They charmingly reflect all the gracious tradition of by-gone days.

Distinctive Beauty

Decoration without ostentation. Full of appeal to the brides who enjoy today's return to the age of elegance and femininity.

Aristocrats of the dinner table

These lovely Towle Sterling patterns are rivals for your lifelong companionship to serve you with beauty and give your guests gracious welcome. Which will be your happy choice?

One group of designs, of course, will appeal to you most — and here you will surely discover the pattern you like best — one whose lasting beauty will make it your lifelong treasure. Towle Sterling (solid silver) is not expensive. . . . A "Place Service" of knife, fork, teaspoon, cream soup spoon, salad fork and butter spreader costs only about $16.75, depending upon your choice of pattern.

CLASSIC SIMPLICITY

With all the serene loveliness of a mountain pool glimmering in the sunshine. A happy group of patterns for those who enjoy quiet dignity of form and design.

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Please send me folders on patterns.

I enclose 90 cents for new book.
Name and Address
How to choose a card table in one easy lesson!

NEW BEAUTY-RIM EXTRA SMART! EXTRA STRONG!

FREE! 2 Coaster Ash Trays! Can't Fall Off! $1 VALUE!

Built and Styled Like Fine Furniture! SAMSON De Luxe CARD TABLES

- Step into your dealer's and be the first to see the stunning array of 1941 Samson De Luxe Card Tables! Each is a masterpiece in design—as smart and attractive as other fine home furnishings. At first glance you'll see why these tables are the choice of discriminating men and women. The New Beauty-Rim, the washable stainproof finish, the Free Coaster Ash Trays, are some of the many fine features that make Samson the greatest card table value ever offered for only $2.98! Choice of wood-grain designs or SAMSON-HYDE which looks like richly embossed leather. Get several Samson De Luxe Card Tables today! Make exquisite gifts—ideal for kitchen, playrooms, luncheons, parties! . . . Be sure to order several Samson De Luxe Folding Chairs, too. They're smart, exceedingly comfortable and solid as a brick. An outstanding value for only $2.98.

MAIL ORDERS FILLED if your dealer isn't supplied. Send $2.98 plus 35c postage and packing to nearest plant. Specify model. We ship anywhere in U. S. A.

ORDER BY NUMBER (Shown Above) 796—Crotch Walnut—Oriental lacewood effect. (A) 778—Natural maple effect—floral center. (B) 775—Deeply embossed ivory center-butt walnut effect border. (C) 777—Fiddle mahogany effect. (D) 775—All ivory top—deeply embossed border. (E) 795—For chess, checkers, cards, inlaid wood pattern.

SHWAYDER BROTHERS, INC., Dept. C-403 • Denver, Colo. • Detroit, Mich.

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STRIKING BEAUTY EXTRA COMFORT! Padded Seats! Tubular Steel Frame. Wide Choice of Colors to Match Samson Card Tables. Samson De Luxe Folding Chairs Only $2.98 Each

Vol. No. 79, No. 2
Breathless engagement... triumphal wedding... golden honeymoon... everybody in happy conspiracy to make everything perfect!

Then... back to your own First House. Now, perfection depends on you. Keynote your new life high... in sterling silver. Let your friends openly admire... your husband be frankly proud of your entertaining.

GORHAM Sterling has set the note for young American families for over a hundred years. You choose among thirty active patterns... averaging $17 per place setting of six pieces. You can match-and-add forever. And your jeweler will tell you, "You can't do better than Gorham!"

Patterns (left to right): KING EDWARD, FAIRFAX, CHANTILLY, NOCTURNE, ENGLISH GADROON, LYRIC, GREENBRIER

The Gorham Co., Dept. HG-87
Providence, R. I.
I enclose ten cents. Please send me your booklet, "ENTERTAINING... the STERLING way."
4 MARCH, 1941

SELF-SUPPORTING
PEG-A-SHELF
SET OF 3 1.25

No need to call a carpenter if you want extra shelf space for knick-knacks. Special pegs hold these corner shelves securely in plaster or wood, without nails or screws. White, brown or red finished gumwood.

 Charged or prepaid purchases sent free by parcel post to Conn., Mass., Penna., Del., N. J., R. I., Md., N. Y., Wash., D. C.

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ROSEMONT
Hooked Rugs

The Perfect Gift Idea!
MONOGRAMMED CHINA
And Great For Your Home, Too!

Add the charms and all around savings of new monogrammed china to your shops' seasonal promotions. Six handsome monogrammed dinnerware sets are available now: Grosset for girls and kitchen for your home. Each tray individually monogrammed in block letters with lotus motif. Sixeen different monograms in choice of black, green, red or gold.

Start selling today. Payment in full when order is received. 30 days free credit in the United States.

MONOGRAM GLASS CO., Inc.
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A CANDLE FLOWER—it will float. 7 inches in diameter. Pink, blue, yellow and white. No. 221.

$1.75 A PAIR, four for $3.00

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2020 NORTH BROAD ST.
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KNEE-HOLE DESK
OR
VANITY DRESSER BASE
Made of selected poplar. Unfinished, sanded ready for finishing.

42" long; 14" deep; 28" high—$12.00
42" long; 16" deep; 28" high—$13.00

EXPRESS PREPAID
Any standard finish $2.50 extra. Bench to match $1.00. Finished $1.35

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THE most beautiful of the old Colonial designs. Hooked with the old-time hard loops. Historic designs, reproductions of Metropolitan Museum rugs. Also HAND-TIED CANOPIES—"Lover's Knot" and other Colonial coverlets. Write for free booklet picturing histories of old designs.

LAURA H. G. COPENHAVER
ROSEMONT
MARION, VIRGINIA

SHOPPING

If you are interested in any of the merchandise shown on these pages, kindly address your checks or money orders directly to the shops mentioned in each case.

An eight-petalled lily, as fragile as the flower, is this beautiful bowl. Made of chalky-white, paper-thin porcelain, it seems to glow with radiant light. Pale green leaves encircle the outside of the base, and it rests upon a plain teak stand. 8½ in diameter and 4⅛ high, it is a piece to treasure. $7.50. Yamanaka, 680 Fifth Avenue, New York City

Light as a feather, strong as an ox, and beautiful as only a bird can be is this tôle tray. The mallard print is an authentic Audubon reproduction, and that alone is worth treasuring. 13" x 16", with green gallery and gold edge, it comes in an antique crackled finish. $350, and a beautiful buy! Scully & Scully, 506 Park Ave., N. Y. C.

Drafted into active army service is this sleek silver identification bracelet. Send Johnnie off to camp with this reminder on his wrist. Sterling silver, with non-tarnish rhodium finish. Engraved with his name or monogram, in block or script letters, $8.95; 12K yellow gold fill, $5.95. George Stern Company, 191 Madison Avenue, New York City

Bought by the women, but sat in by the men, is this slim slipper chair. Only 2 ½ high by 15½ wide, it's a triumph in comfort. Send 1¼ yards of fabric, and 4 yards of gimp, and it will be covered and sent express collect for $8; or in muslin, same price. Mahogany or walnut with brass rosettes, Reynal & Reynal, 640 Lexington Avenue, New York City
JUST the right size and just the same size high are these twin glasses. An exclusive with Georg Jensen, they are made of fine, clear glass. Both have heavy bases that give so firm a foundation. Tini-ocktail glasses hold 4 ounces, and the highballs 10 ounces. $12 a dozen plus postage, for either type glass. (iriii 'j .|cil>-cil. Inc., 607 5th Avenue, N. Y. C.

FiLigREEd suet-chow forms the top of this handsome cigarette box. Suet-chow is a real stone, light brown in color, very similar to jade, and, we think, as lovely. The box, covered in honey-colored leather, measures 7" x 5¼" x 1⅜" deep, and has 4 compartments for cigarettes. $12 from Grogan Co., Wood Street and 6th Ave., Pittsburgh, Pa.

UPSTAIRS or downstairs or in my lady's chamber this miniature clock will go. The original, a mantel clock, was made by Mummery of Dover, England, about 1830. 6¾" high x 4¾" wide, it comes in maple or mahogany finished wood. With alarm, $8.50; without, $5. Sent by parcel post collect. Write to The Maple Shop, Westwood, New Jersey.

A CHALLENGE to any flower fan ... a set of super-professional flower holders! Made of lead with brass pins, they come equipped with rubber feet. 3 sizes, 3 weights and 3 prices: #1, 3" x 4", 2½ lbs., $2.50; #2, 3½" x 3", 3½ lbs., $1.50; #3, 2½" in diameter, 1 lb., $1.25. Cobble Stone Gardens, 10036 Conway Road, St. Louis, Mo.

FROM the whole black berries grind your pepper at the table. The French have done it for years and with what a spicy success! This set of pepper grinder and salt shaker is done in swirled wood, blond or mahogany finish, and a full 4" high. The salt is $1.50, the pepper, $2. Both plus postage, and both from Neiman-Marcus, Dallas, Texas.
**Lazy Luxury**

\[ \star \text{LIE-A-BED TABLE} \]

Ingenious all-purpose table. Top adjusts to any angle. Can be raised or lowered. Top, 24" x 18", has book rests. Duncan Phyfe design. Solid walnut or mahogany veneer. Liquor proof. Brass-tipped claw feet...

- **Price:** $14.75

*Hammacher Schlemmer*

145 E. 57th St., New York

**PUT A SENTRY ON GUARD**

New homes need safes. Hundreds protect valuables from fire and theft with a permanent Sentry Jr. Wall Safe. Include one in your plans. Black or ivory wrinkled enameled finish. For homes, dormitories, apartments, clubs.

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Send check with order to

*BRUSH-PUNNETT, INC.*

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**ON GUARD**

Matched splendor in sterling silver jewelry. Hand wrought in a Swedish motif with connecting links soldered and patented roller catch on brooch.

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*Duf fee-Freeman Furniture Co.*

229 Peachtree St. Dept. B. Atlanta, Ga.

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**Cary Handkerchief Table**

A triangle-shaped table named for Mary Cary, mother of General Robert E. Lee, prominent in the social life of Williamsburg. This structure is matched by a similar set of 35 square—large enough for cards or a cocktail, 14" x 14", 25" high. Of mahogany, beautifully finished and hand rubbed.

- **Send check or Money Order** to

*Duf fee-Freeman Furniture of Character*

229 Peachtree St. Dept. B. Atlanta, Ga.

**Price:** $45

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**MANUAL OF JAPANESE FLOWER ARRANGEMENT**

By Josui Oshikiwa and Hazel H. Gorham

- **Size:** 8" x 10.5".
- **Format:** Cloth bound.
- **Price:** $5.00 Net postpaid.

A practical and complete textbook of Japanese flower arrangement in all its forms from the early classic styles to the contemporary methods expounded by its authors. Generously illustrated with diagrams and 54 full color pages, the book was designed to bring the full meaning of this Oriental culture to foreign lands.

*YAMANAKA & CO.*

240 FIFTH AVE., NEW YORK

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**“UNUSUAL SILVER”**

This silver has been used and is offered in first-class condition and materially under the price of new silver.

- **Baronal**
- **Hepspelwhite**
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- **Mary Chilton**
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This silver has been used and is offered in first-class condition and materially under the price of new silver.

By Joseph W. B. Marshall

**Send check or Money Order** to

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**UNUSUAL SILVER**

We have one of the largest stocks of unusual silver in the United States, consisting of Wedgwood, Cambridge, Pickard, etc., by America's Leading Silversmiths, also foreign makers.

- **Price:** $4.50

**From the Williamsburg Galleries**

From the Williamsburg Galleries

19 Madison Avenue

New York

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**MARCH, 1941**

**SPOONERY NURSE”**

A delightful candy filled with pure liquid honey. You'll love them—try them. $3 a pound box, or 12 for $5.

**“ORANGE BLOSSOM HONEYSUCKLES”**

from FLORIDA

**EXCITING EVERYONE**

A delicious candy filled with pure liquid honey. You'll love them—try them. $3 a pound box, or 12 for $5.

12 oz. jar of exotic, taste-thrilling tropical delicacies. $2 the box

Prices include delivery anywhere in U.S.A.

*COBBS, INC. DEPT. H, BOX 1, LITTLE RIVER, FLA.*
A service in silver, all in this lovely oval dish. It has so many uses: breads and muffins, celery and olives, cold mousses or hot puddings. So long, 18"; so wide, 8 1/4"; and quite deep, 2 1/4"; it stands on four ball feet. Made of heavy silver plate, it costs just $12.50. From Woodward and Lothrop, 10th, 11th, F and G Sts., Washington, D. C.

Three candies, three kinds, three treats! White Scotch Mints, the Bridge Party Mix, and Red and White Curants... tidbits of candy with a piquant flavor that can't be duplicated. $1.35 for the 3 eight-oz. jars, in attractive gift package. (Add 15c if west of Miss.) Dutchess Food Specialties, 1945 Park Avenue, New York City.

Hail back to the thrills of the thirties, and listen again to "Exactly Like You", "Sweet and Lovely", "Time on My Hands". This album contains 5 records, with 3 hits on each side, giving you a grand total of thirty different tunes. All from the 1930's. Recordings by Emile Petti. $5.50 plus postage. Liberty Music Shop, 450 Madison Ave., N.Y.C.

The birds are doing it, so why don't you? Feather your own little nest with these fine tables three. Made of maple plywood, they come in a natural finish, with alcohol-proof tops. 10" X 16", 17 1/2" high; 12" X 20", 20" high; 15" X 24", 22" high. Nest of 3, $19.60 express prepaid. (50c additional if west of Miss.) The Littletree Co., Orlando, Florida.

In needlepoint. They will be fun for the small fry and practical for you because they are sturdy and beautiful. Standing 22" high overall and with seat just 12" high the straight backed one is $6.75 and the rocker $7.50. Each tapestry is $2.00 and background wool, $1.00.

STERLING SILVER HEAVY WEIGHT ENGLISH HALL-MARKED GRAVY BOAT AND LADLE... . . . . in smart, velvet-lined presentation case, made in England. Price Complete STERLING SILVER GRAVY BOAT AND LADLE IN CASE... . . . . POSTAGE PREPAID QUANTITY LIMITED.

J. ORTMAN 10 East 47 St. New York

NEW ORLEANS FOOD SHIPPED Directly to You!

Now it's easy for you to enjoy delicious New Orleans Creole Dishes. Simply order READY TO SERVUE "Chef Orleans" Delicacies, shipped direct from the South's largest gourmet, American National U.S. TERAPBIN MEAT SPECIAL! 4--4 1/2 oz. cans, 95c NEW ORLEANS SOUP SPECIAL! 3--6 1/2 oz. cans of the following: Creole Gumbo, Turtle Soup (Southern Style), Shrimp Bisque. Frozen Soup, 24.00. COCKTAIL CANAPE SPECIAL! 6--2 oz. tins of Smoked Oysters 6--2 oz. tins of pate of Shrimp. Send order now, Free Folder.

NEW ORLEANS DELICACY CO. 3520 Carondelet St.—New Orleans, U.S.A.
To enliven informal dining... to compliment your colorful pottery—this cheerful plaid d поли set with ravish-proof fringed edges.

Charming in daffodil blue and tan with blue napkins; in desert tan and brown with tan napkins; in light mulberry and tan with mulberry napkins.

And such modest prices! Service for 4 (8 pieces), $2.95;... for 12 (25 pieces), $4.85. Quaint cross-stitch monogram on the full size luncheon napkin, only 25c each.

**Hand-Braided STAIR TREADS**

**CHAIR MATS**

Our Rugs Selected for Williamsburg. Today's MOST DISTINCTIVE Rug available in every detail to your own individual requirement. Request free illustrated folder and further information.

OLD SPARHAWK MILLS, SO. PORTLAND, ME.
America's Oldest Braided Rug Maker

**A WINGED VICTORY**

In clear lead crystal this table setting—a certain success. The oval bowl comes in 2 sizes: 13" long, $3.50; or 11" long, $2.50. Each wing tip measures 6½" and the base of the holder 5" in diameter; $2.50 a pair.

Full of sweetness and light. It is a beautiful buy! Chelton, Inc., 106 East 57th St., New York City

**Men are hard to please... and how we know it!** But here's a sure-fire hit. Three jugfuls of completely virile satisfaction. Left to right: after-shave lotion; shampoo; after-shave face. Order the pottery jugs in gloss green, blue, mahogany or plain buff. $1 each, plus 20c postage, or $3 the set, plus 30c postage. La Dal Toilettries, Newton, New Jersey

**AGED AMERICAN CHEDDAR CHEESE** plus a small amount of pure fresh cream, is packed in fine cellulose casing, then slowly smoked over a glowing hickory wood fire. The finished product, a delicious cheese with a mildly smoky flavor. A 15-ounce link for $1. Add 10c if west of the Miss. No rind or waste. Delane Brown, Route 502, Towson, Md.

**ARE YOU A JILL OF ALL TRDES WHO CAN DRIVE A NAIL, TURN A SCREW OR SAW A PIECE OF WOOD?** If so, you'd dearly love to have this kit of tools. It comes in a pigskin case 5½" X 5" closed and has a file, saw, chisel, awl, hammer, bottle-opener, screw-driver and knife. $6.75 plus postage. Jane Romeyn, Hotel Pierre, 5th Avenue at 61st Street, N. Y. C.

**"IT RETURNED A RATIO OF SIX TO ONE."**

A recent twelfth page advertisement (same size as this ad) brought six dollars in direct sales for every dollar spent on the ad. This same advertiser says, "Our advertisements in House & Garden always pay off within the first thirty days after the ad appears."

If you have a retail item that's new, smart and different, you too can enjoy the thrill of doing a lucrative national-wide (and even international) mail-order business.

... Advertising rates are within your budget.

Write to "Shopping Around" and let us tell you more about this profitable retail department.

House & Garden 420 Lexington Ave. New York City

**THE CHINAMAN IN THE SWING**

Match Chintz and Wallpaper for a distinctive ensemble

In this charming design amusing little oriental figures cavort among graceful branches. Tones of green, tan, and yellow glow against a cream background. Also available in blue and brown on aqua. Ask for booklet J-3.

**A. D. DIAMOND & CO.**

34 E. 53rd St. New York

1515 Walnut St. Philadelphia

Sycamore Eagle Mansion Strawford, Pa.

Sole American agents for Zuber & Co., Desfane & Karth, Paul Dumas
owed to your garden is this urn, classic but modern. On one side is modeled the Mayflower, on the other the Firmament. Made of rust-proof cast iron, it measures 14" high by 16" across. $15, or $27.50 for a pair. F. O. B. from Evanston, weight 45 lbs. Drainage hole in base. Ernst Hagerstrom Metalcraft Studio, 1243 Chicago Ave., Evanston, Ill.

Made of pure Australian wool, and hand-knit by Croftknit's own professionals, is this exclusive sweater. Its individual lines and tricky stitch are well nigh impossible to copy, and it can't be bought anywhere else in the country. Pastel blue, scarlet, white, green or citron, it comes in sizes 12 to 20. $9.75 from Croftknit, Nyack, New York.

Here's luck to your love on Saint Patrick's Day! A flask, shaped like a four-leafed clover, of cologne, emerald green in color. Right as rain for a 17th of March surprise, and much more fragrant. The scent is light but lingering, feminine but forceful. Once used, always remembered. 4-ounce bottle, $1. Brugay, Inc., 110 West 18th Street, N. Y. C.

Ye Old Cape Cod Post Lamp
DISTINCTIVE, decorative outside lamp for lawns, paddocks, driveways, or any place a lamp is needed. Hand-made of best weather-proof material. Eagle genuine cast bronze. Electrified, ready for use. No experience necessary to install. Run lead cable down post and bury in a shallow trench to outlet. If no electricity is available, can furnish with old-fashioned oil lamp at same price. Color is a pleasing shade of light green baked enamel. Cone 10" X 10", over all size 23". Prepaid $10 each; $18 per pair.

No. 9B Grape Settee
60" Long . 31" High
$27.00 painted
$24.00 not painted
Also made longer
Arm Chair to match
$11.00 painted
$9.00 not painted
FREIGHT PREPAID
Slight addition west of the Rockies Send for circular of other interesting items
THE GRAFT STUDIOS
WILMINGTON, OHIO

FLOWER HOLDER
by Laura Lee Burroughs
A set of three needle Flower Holders in a handsome gift box. Del. for $5.25 They are unusually heavy with extra long needles set close together. They will hold any flower securely in place. Equipped with soft rubber feet to prevent slipping or marring the bowl.
Write for Catalogue
Flower Arranging Accessories
by Laura Lee Burroughs

Cobble Stone Gardens
A Distinctive Country Shop
10036 Conway Road
St. Louis, Mo.
Dramatizing your flower arrangements

Long famed for Oriental treasures and modern accessories, Gump's suggests drama for smarter flower arrangements. From many enchanting ideas, here are two you might like to own.

An Oriental fantasy, with simple iris. It's done with a flat Chinese bowl, sea green inside, white outside, and 15" across; and a hand-carved Soochow jade fish, 9" long, who will look jolly on any table, especially in pairs. The bowl: $5.00. The fish: $12.50.

Get gay with daisies in this pale green California pottery bowl, 15¼" long, and the demure little lady standing by. The bowl: 3.50. The figure: 12.00.

Candlelight at the turn of a switch with CANDYLBEME electric bulbs

Merely insert Candylbeme Bulbs in your present candle-type fixtures — turn the switch and you have the closest simulation to candlelight that has ever been obtained electrically.

Candylbeme Bulbs bring new beauty and richness to your candle-type fixtures . . . setting them off to your best advantage. Candylbeme Bulbs are recommended by leading architects and interior decorators for their enchanting realism.

ORDER NOW
Candylbeme Bulbs are available in standard and candle-shaped base for 110 volt circuits.
Clear . . . . . 50c.
Frosted . . . . . 55c.

BUTLER-KOHAUS, INC.
3242 OLIVE ST.
ST. LOUIS, MO.

Now it's easy to have an OUTDOOR FIREPLACE

What can give more red pleasures than an outdoor fireplace, where congenial friends may gather in ease in the delight of a wood-broiled roast, a hot bratwurst or a roasting chestnut, while you've always wanted a fireplace on your own grounds?

Now it's simple to build one—just get a Hancock Skeleton Unit and build your mammary around it, in any design, as simple or elaborate as your turn dictates. Hancock Units come complete with genuine rolled steel (not cast iron) frames and doors; and gray iron for grates, cooking bars, hot plate and flues. They are solidly constructed, long enduring; standard equipment in leading park systems throughout the country.

Write today for complete information, enclosing 5c for large, 6-page Plans Sheet, "HOW TO BUILD YOUR OWN OUTDOOR FIREPLACE", containing plans and structural data for a variety of designs.

MARCH, 1941

SHOPPING AROUND

A silent butler, and just the right size to bottle your hottest of hot hors' d'oeuvres. With its wooden handle, gadroon border and English crest it will provoke many an envious Oh and Ah. 9½" x 7½" and 1½" deep, it is made of silver on copper. $9, express collect. Lambert Brothers, 60th Street and Lexington Avenue, New York City.

From the Mountain Meadows of Oregon we bring you another selection of preserves. For those of you who haven't tried them, well, we know you'll really rave! Luscious home-made wild fruit preserves: three ½ oz. jars of huckleberry, blackberry, strawberry, and a brand new one, wild plum, $3.25, Jane Amberly, 1107 N. E. 47th, Portland, Ore.

An adaptation of the old Victorian music stand is this rack for magazines. Its lyre-like shape will add a harmonious note to your sun-flooded terrace. Made of cast iron, it is 12" x 8½", by 4" deep. The finish is dull black, the weight light, for easy transportation, $3; add 50c if west of the Rockies. The Graf Studios, Wilmington, Ohio.

Made in the old Lover's Knot design, with a Pine Tree border, this is a double-duty, double-weave couch cover. One side is woven so that light colors predominate; use that side for Summer. Reverse it when Winter winds start blowing, 55" x 85", it comes in indigo blue, rose and white, $12. Laura Copenhaver, Rosemont, Marion, Va.

This Royal Copenhagen 18th Century bowl (circa 1785) is another fine piece from the Questers' remarkable collection. Two portrait medallions, on soft pink ground, are outlined in gold. A rose with foliage and bud are centered inside the bowl, 2½" high, 4¼" in diameter. Price $50. The Questers, 455 East 57th Street, N. Y. C.
GARDENING

WEEK IN VIRGINIA

An illustrated booklet and map can help you plan for historic spring shows. The Colonial Dominion Garden Week (April 29, 30, 31; May 2, and 3) is sponsored by the Virginia Historical Garden and Cultural Garden Conservation Commission, Richmond, Virginia.

MODERN ROSES AND PERENNIALS

presented in a magnificent catalogue of 48 pages in color featuring many of the most representative showing of flowers and landscaping ideas. It is printed on heavy hand-textured paper and has sections of roses, other novelties in roses, chrysanthemums and carnations; lilacs, primroses, hardy Magnolia, and other unusual decorative and ornamental trees; price IDc. Wohlert & Co., 66 Rector St., New York City.

GARDEN NOVELTIES

Features a fine collection of Chrysanthemum, Carnation and Perennial seeds. This is an economical way to get your garden started. Color photographs show the finest varieties of roses and chrysanthemums and give an idea of the wide selection available. It is the first and only really complete catalogue in this line. The catalogue features Marigolds, annuals and bulbs as well as the very best varieties of perennials. Send 5c West of Miss. Bobbitt & Noyes, 25 Patterson Ave., Easterling, New York J.

THE WAYSIDE GARDENS

Contains beautiful and useful catalogue ever for 1941. There are 192 pages of information about gardening. It is illustrated and describing the fine stock of the wayside Gardens, Dept. 25c to cover handling and postage. The Wayside Gardens Co., 20 Mentor Ave., Mentor, Ohio.

NEW ROSES

including Grapes, Nasturtium, last year's flower show sensation, Anse Van Dusen, and many other novelties in roses, chrysanthemums and perennials. Price 5c. It is illustrated and describes the best roses and chrysanthemums available. A complete guide to the best varieties of roses and chrysanthemums available. It is fully illustrated In this new catalogue. Toyn's, Box 6, Madison, New Jersey.

THE BRITISH FOURSOME

is in comprehensively discussed in a book which explains the requirements for growing roses. It is illustrated and contains many photographs. It gives 5c. It is illustrated and contains many photographs. It gives a full description of the plants and their culture. It is available at all good bookstores.

FLOWERING TREES

by W. C. Ashworth, authoritative history and description of the Japanese flowering and ornamental trees. It is illustrated with a large number of photographs. It is available at all good bookstores. Price 50c. E. C. Stearns & Co., 333 W. Fillmore St., Chicago, Ill.

FOR ENDURING DECORATION

is a practical guide in the selection of wall covering to harmonize with your house. It analyses the home decorator's problem and tells how they can be used to create handsome backgrounds in every room of your house, no matter what architectural and decorative motifs you have. Send 10c. to Nancy Warren, United Wall Paper Co., Dept. 395 4th Ave., New York City.

WALLPAPER

is a beautifully illustrated brochure in which are described a large selection of wall papers. "Wallpaper" and the "Kro-Mira Scenes Wall Coverings" are illustrated. Send 10c. to Department HG-3, 333 W. Fillmore St., Chicago, Ill.

THE SHRIE OF THE HOME

gives pointers on what to look for in choosing window furnishings, where and when purchasing upholstered pieces and draperies, and constructing, choosing, and selecting the finest fabrics. It is available at all good bookstores. Price 20c. to Grosfeld Narrows, Dept. HG-3, Providence, R. I.

WORLD WINDOWS

Into a elaborate but handy folder have assembled the makers of Finest Fabrics have assembled colorful suggestions of window furnishings for the house. It is available at all good bookstores. Price 5c. home pictures of windows and ceilings back through the years. It is available at all good bookstores. Price 5c. Home pictures of windows and ceilings back through the years. It is available at all good bookstores. Price 5c. Home pictures of windows and ceilings back through the years. It is available at all good bookstores. Price 5c.

WORLD SCREENS

that roll up and down like a shade are the elements of every home. They are guaranteed to last for 100 years. You must find out about them by writing for the booklet of Roberts Co., Dept. 1211, Pitta, Iowa.

WELLINGTON CHINA LAMPS

are colorfully illustrated in a booklet which can help you select the right lamp for your room. They are beautifully styled lamps suitable for both interior and exterior decoration. Send 50c. to Arturo Lamp Mfg. Co., Dept. HG-3 4th Ave., New York City.

RADIATOR ENCLOSURES

by Gardner, as described in a colorful and informative booklet which will add greatly to the beauty of your room. In practically every home the radiators are not attractive to the eye. These enclosures will also protect your walls and floors, and give them an added effect of solidity and effective, and smoothly steam-panched aluminum. Send 5c. Gardner Mfg. Co., Dept. HG-3, Horizon, Wisc.

CARD TABLES

In a little leaflet Stackyker Bros. list fine new patterns of card tables and free catalog illustrates several wood finishes for which they are in medium grades from $5 up. Artiste Lamp Mfg. Co., Inc., 4th Ave., New York, N. Y.

HOUSE & GARDEN

reviewed by House & Garden

Just write to the addresses given for any of these and other interesting booklets in the Special Section, page 3. Free unless otherwise specified.

HOMEFURNISHINGS

THE BRITANNY FOURSOME

Your attractive folders, describe Tomlinson's wide range of superior, hand-crafted mahogany, as well as the regular prices for mahogany furnishing pieces, in many finishes, made to order. Send 10c to Tomlinson of High Point, Dept. HG-3, High Point, N. C.

DECORATIVE IDEAS

You Can Use For Your Home is an attractive little booklet, carefully planned to help the reader to make his own home more interesting and comfortable. It shows the various types of decoration that are available and tells how they can be used to decorate and improve your home. Send 10c. to Custom Made Furniture, Dept. HG-3, New York City.

STYLE & CHARM IN EVERY ROOM

is a fat little booklet which answers all your questions about the use of wallpaper in decorating your home. It analyzes the home decorator's problem and tells how they can be used to create beautiful backgrounds in every room of your house, no matter what architectural and decorative motifs you have. Send 10c. to Nancy Warren, United Wall Paper Co., Dept. 395 4th Ave., New York City.

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No need...here's the new, modern way to be sure your bed is really hygienically clean

Your spotlessly clean sheets and blankets aren't enough to keep your bed truly hygienic. If only you could send your mattress to the laundry, too! For no matter how carefully you brush or air it, germs can remain in the ticking...unpleasant odors can develop—to spoil the freshness of your otherwise clean bed.

New Protection...New Peace-Of-Mind
Play safe...be sure! Put new Sanitized-ticking Mattresses on every bed in your home. Sanitized ticking invisibly protects you and your loved ones against germ growth...against the formation of body odors. Your mattress stays fresh, clean-smelling, hygienic, if its ticking is Sanitized. Yet the Sanitized treatment is odorless and harmless, itself. It's the result of more than 16 years' research in medical and textile laboratories—approved by numerous independent public laboratory tests.

No Extra Cost
You get the plus of Sanitized protection at regular mattress prices. 35 leading manufacturers use Sanitized ticking to cover their fine mattresses and springs in all sizes, in all price ranges from $14.75 to $39.50. You'll want this new protection for every bed in your home, now you can get it at the price you want to pay. Why be satisfied with less?

THE QUINS SLEEP SAFELY on Sanitized-ticking Mattresses—approved for their use by Dr. Allan Roy Dalse and the Guardians, Guaranteed by Good Housekeeping, too, as advertised therein. Your assurance that Sanitized protection is needed, effective, safe.

Sanitized Innerspring Mattress $29.50
Spring to match $29.50

Sanitized Innerspring Crib Mattress $9.75

Sanitized Quilted or Tufted models $39.50
Spring to match $39.50

LOOK FOR THIS LABEL. It's your guarantee of genuine Sanitized ticking. Shun imitations that claim to be "Sanitized" or "just the same."

Sanitized MATTRESSES
REG. U.S. PAT. OFF.
TICKING
SANITIZED-TICKING MATTRESSES ALSO AVAILABLE IN OTHER PRICE RANGES, FROM $14.75 UP
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IN THE NEXT ISSUE

The How-To Handbook
In April, the third in our “How-To” series will feature your Summer home. Among the ideas for indoors are twenty-four new designs for Summer slipcovers—with complete and clear instructions how to make them. Take April’s HOUSE & GARDEN in hand and make your house a new Summer wardrobe!

Outdoors, we’ll tell you all about shrubbery. What kinds to grow, how to plant them, prune them and care for them. How to grow delphiniums will then be considered; and finally we shall present complete directions for building terraces and dry-walls. And since both of these should be attractive as well as sturdily constructed, we show you how to plant your wall or your terrace with rock plants and low-growing flowers.

Spring Color Parade
The Special Section in April will feature HOUSE & GARDEN’S Spring Color Parade of Ideal Home furnishings. What are the leading periods in this year’s best decoration? What hues, what shades will lead the color parade this Summer and Fall? What smart new accessories will brighten every room in your house?

All these questions you will be eagerly asking. And the April issue will give you the answers: three houses decorated in the three leading American periods; eight Current Colors which will light American homes this Summer; and eight Prophetic Colors which will lead the vanguard of American decoration this Fall.

Flowers on the Table
In the coming months your garden will be overflowing with flowers. You’ll bring them into the house, gathering with a free hand; and your Summer tables, at all meals, will be lavishly spread with their color.

What better time could you choose to study new and attractive ways of arranging them? Patricia Kroh, a leader in this fascinating art, shows you in April how to ensemble flowers, linen, china and glass into inviting new table settings.
FROM AGELESS SKILL... Comes Treasured Beauty

Where comes the beauty that makes Libbey Modern American Glassware a princely gift, a treasure to own? From the crystal itself... gem-like in clarity, peerless in quality. From the mastery of Libbey craftsmen, whose skilled hands shape each lovely piece. And from designs so original, so clearly American, that Libbey is creating a new style-trend. At finer stores, select Libbey Crystal for a bride's home... or your own.

Libbey Glass Company, Toledo, Ohio.

Libbey
MODERN AMERICAN GLASSWARE
Why Woods Are Damp. One of the functions of trees is to diffuse water vapor through their leaves, thereby maintaining the even balance of moisture necessary for good crops in fields and gardens. The hardwoods are better at this than the conifers. An average birch may bear 200,000 leaves which, during the course of a day, will pour into the atmosphere 15½ gallons of water. It is estimated that a beech forest evaporates no fewer than 14,000 tons of water during the Summer months. An old elm may fling out 7,000,000 leaves, enough surface to cover about five acres, and imagine their transpiration! Even an acre of wheat, so authorities say, in its few months of growth will give off about 1,000 tons of water.

Private Elephant. There was a time, in the early years of the last century, when fashionable Englishmen thought their garden parties needed a touch of exotic pagantry and, to supply it, would have an elephant, accompanied by a groom suitably attired, wandering up and down the grounds. Whether one kept a private elephant for this purpose or just hired it, seems a question. As late as King Edward VII's time a garden party at Warwick Castle was attended by an elephant. So far we have not seen the custom crop up in our more fashionable sets here. We keep other curiosities, male and female, but a private elephant with attendant groom, never.

Apostles. A milestone was reached when Domestic Architecture by H. T. Lindenberg recently appeared. Out of the several hundred various kinds of buildings Mr. Lindenberg has designed over the past thirty years, he chose to show 64 homes which mark the source, evolution and achievement of his superb taste. It was gratifying to discover that, over the years, House & Garden has published 14 of these.

Since no artist of Mr. Lindenberg's stature works unto himself alone, but needs must pass on his taste to younger men, he pays high tribute to those who labored with him. Gone from his direct influence to all quarters of this country and to South America, these 20 men and women now carry on, in their chosen fields, the tradition of his exacting craftsmanship and splendid inspiration. House & Garden has shown over 30 homes designed by Lindenberg apostles.

Hall to Vestibule. Changing habits of people will change architecture. In the ancient days of castle life, the entire household ate in a great hall, the family and its retainers and its dogs and cats. No chance for a nice quiet little meal. And since no Emily Post was about in those days, everybody grabbed what he wanted and dinners were rough and tumble affairs.

Then, apparently, the master and his mistresses were urged by a desire to eat alone. Family meals became more private. There was no longer any need for a great hall. Gradually, through the years, the hall was reduced to a vestibule or entrance-way and the rest of the space used for living room.

Correction. In our January issue we incorrectly attributed a flower arrangement to Mrs. E. Kohler of Glen Cove, L. I., whereas it was actually made for last year's International Flower Show by Mrs. Charles Hoffman of the Scarsdale Garden Club. Also, the garden credited to Mrs. M. E. Henderson of Rahway, N. J., should have been credited to Mr. and Mrs. H. Sandkau, Westfield, N. J.

Going South? Those who would go on Garden Pilgrimages this Winter will want to know that: Natchez has two pilgrimages, (we wish these ante-bellum patriots would get reconstructed) March 22nd to April 6th and March 2nd to 23rd; New Orleans holds its Spring Fiesta March 16th through March 30th; the Tenth Annual Narcissus Show of the Garden Club of Virginia will be held at Alexandria April 16th and 17th — and the Virginia Garden Week is April 28th to May 3rd. The Garden Club of Georgia will hold its fifth annual pilgrimage from early March to the middle of May.

Functional. Every now and then designers of the most ultra modern buildings hold forth on how functional these new structures are, as though functionalism was the attribute of our age alone. But when was a good piece of architecture design not functional? For its time and living customs, the Colonial house was functional and so was the Georgian, and they still are. Each age makes its own demands of architecture and each has its own conception of the extent to which a house is functional.

Tradesmen's Cards. We're slick, we Americans. What nation can beat us at advertising? At reader interest or "scare" copy? At bold trumpeting the virtues of wares? So we thought, counting several advertising men among our respectable acquaintances.

Saved by a Shirt Tail. As any man can explain, the fundamental difference between the British and the Americans is that the British make the tails of their shirts long and the Americans short. For this reason the following custom could never have happened here. In Gloucestershire, once upon a time, when ladies and gentlemen went out to dinner together on dark nights, the gentlemen pulled out the tails of their shirts and walked before to show the way and light the ladies. They were called "Dursley Lanterns". That was over a century ago. Even that early England was practising for the blackout.

More Street Names. The advantages of collecting picturesque street names are many—they cost nothing to acquire, they occupy practically no space except in one's memory and they don't have to be dusted.

So then we add to our collection five choice museum pieces from Connecticut and one from Philadelphia.

Rattling Valley Road is near Essex, Roast Meat Hill you'll encounter between West Cove and Kelkseytown, and Satan's Kingdom between New Hartford and Canton. Wilton has a Honey Hill Road, which is very nice of a neighborhood boasting so many twisted by-ways. Middletown still speaks of Teddy Alley, a street up from the Connecticut River, once lined with grog shops where sailors swarmed when off-ship, in the old days of the river's world-flung traffic.

Chant Street is a blind street one block long which runs into the chancel end of a Philadelphia church and is thus appropriately named.
The garden of Mr. and Mrs. Clark Williams, Greenwich, Conn., has four parts—a blue tea garden, a quiet garden in pink, an old-fashioned garden and a rose garden. Wide paths separate them, and at the crossing are four benches, behind one of them this weeping Japanese cherry. Daffodils, early iris, forget-me-nots and pansies make a rich Spring carpet for its delicate, pendulous pink beauty.
Some raw March and showery April and every one, gardener or not, feels a hunger for the touch of soil and the beauty that springs from it. Then it is that men "longen" to go to flower shows.

Consider the dates of the nine major exhibitions this year: Cleveland, February 22nd to March 1st, inclusive; the International Flower Show in New York and the Boston show both run from March 17th to 22nd; St. Louis, March 22nd to 30th; Seattle, March 23rd to 30th; Philadelphia, March 24th to 29th; Chicago, March 28th to April 5th; Detroit, April 5th to 12th; and Oakland, California, April 29th to May 4th. All of them in the flower-hungry months.

In Boston the Massachusetts Horticultural Society gives the show, with its coterie of garden clubs; in Philadelphia, the Pennsylvania Horticultural Society and the local clubs; in New York, the Horticultural Society of New York and the New York Florists' Club assisted by the Federated Garden Clubs of New York, the Garden Club of New Jersey and the Garden Club of America. Cleveland's show will be helped by the Garden Center, the most lively organization of its kind in the country. In fact, practically all of these great major shows given in March and April are the result of the combined efforts of many organizations working for common purposes—inspiration for those who come to see them, healthy competition between exhibitors, and the advancement of gardening.

Practically each one of these shows is the culmination of a whole year's planning. For a year committees and sub-committees meet. Exhibits are projected. Catalogs outlined. Nurserymen, florists and private estates sought to cooperate. Publicity outlined. Judges invited. Amateur gardeners and professional alike plant their bulbs and seeds far ahead to meet the date of the opening day. Those who are to make arrangements begin dreaming of line and mass and container. Schedules are studied meticulously.

The planning goes on month by month for a year, growing more speedy and hectic as the opening day approaches. Yet those responsible for these shows, who have to find the wherewithal to support them, who have to keep the hundreds of persons all working up to schedule, count the burden light if the show is a success. And most of these Spring shows are successful.

Let me take you behind the scenes of the great International Flower Show in New York, of which it has been my privilege to be Chairman for the past ten years. The show closes, say, March 22nd. The first week in April, the committee meets to begin work on the show of the following year. At this meeting the theme for next year's show is suggested by the chairman, discussed, adopted or rejected. This year it will be Pan-America, a "good neighbor" gesture.

In addition to the rent of the Grand Central Palace for a week—no insignificant sum—$40,000 is budgeted for prizes and $14,000 for publicity (this show is advertised in five language newspapers besides magazines and railway stations); special trains are arranged for travelers as far north as Springfield and as far west as Rochester; and buses are chartered for those who care to come from below Washington.

Meantime, the exhibits are projected and exhibitors lined up, both professional and private, according to a schedule laid out by a special committee. The garden clubs are working on their designs and individual schedules. From up and down the Atlantic seaboard judges are invited. Usually there is a special visitor brought from abroad to represent a foreign horticultural society or a botanist of note.

Ten days before the opening date workmen swarm through the building to erect the structure of the exhibits. Then are trundled in the huge rocks for rock gardens, the large forced trees and shrubs, acres of lawn sod in trays, and finally the flowers themselves, each pot carefully wrapped. If the weather is extremely cold, the flowers travel to the Grand Central Palace in heated trucks. Work goes on day and night under the watchful eye of the staging manager. At last, the morning of the opening day. The final touches are added. The last flower watered. Sweepers go through the hall clearing up. A whistle blows. Everyone disappears. The judges march in and go to work. Horticultural judges, judges of landscaping, judges of flower arrangements. On four floors they are at work.

That night the men judges are given a stag dinner. The following night, all who have worked for the show put on their best bib and tucker and attend the horticultural dinner, where the guests of honor are received and the trophies awarded—usually the owner of the garden and his gardener approaching the speakers' table together to receive the prize. Meantime, at noons, the Garden Clubs have held their luncheons. On Thursday the wives of the gardeners...
who staged the exhibits are given a dinner and taken to the theater. While the men worked they've stayed home minding the children. This night the husbands play nursemaid.

The work required to plan and stage the New York International Flower Show is repeated, perhaps in a lesser degree with every show throughout the country. And do the public appreciate these efforts? Hungry for a taste of Spring, they crowd the doors. In New York 130,000 of them, not counting those who have membership passes; in Boston 94,000; in Philadelphia 100,000; in Chicago 160,000. Spring flower shows comprise the greatest exhibition business in the country.

With succeeding years the competition has become keener, the standards of judging higher, the ingenuity and horticultural skill and artistic talent of exhibitors more pronounced. Each year sees more practical gardening, of the sort easily undertaken by beginners, demonstrated in vivid and readily grasped exhibits. Whereas in the beginning flower shows were the work of professional gardeners and nurserymen, today the most potent factor in their success is the cooperation of the women's garden clubs. Without their loyal support it would be next to impossible to stage a successful flower show, one that would appeal to many people.

A preview of some of the exhibits at these major shows, especially assembled by House & Garden, shows a great variety of presentation. The New York Show, as was stated before, has Pan-America for its theme. The focal exhibit at the end of the main aisle will be a tropical garden—palm trees, gardenia hedges and all—with the flags of the twenty-one American republics displayed above it. At the head of the entrance stairs the two competitive exhibits will be rose gardens. On the second floor the Garden Club of America will have cactus and succulent gardens in Central American settings, secret gardens, eight little Spring bulb gardens, plantings around garden gates, a collection of trilliums, a model trailside museum, and miniatures of thrifty small fruit and flower gardens. The flower arrangements will symbolize five periods of American history—Indian, Spanish, Dutch, Colonial and Modern, with the last a Thrift Day in which an arrangement, including the container, is not to cost over $2.

On the fourth floor the Federated Garden Club of New York will show a complete Spanish-American setting. In its famous Collectors' Corner it will have shelf on shelf of house plants, medicinal and pot herbs, tropical or semi-tropical dried material and ferns. Competitive garden photographs will be featured. The decorative arrangements include niches and tables and the topics are Spring, Summer, Autumn, Winter, Hope, Happiness, Harvest Festival, Faith, Fiesta and Peace, Pan-America, and the United States in large, medium and small exhibits. Besides these the feature gardens will be plantings for patios and against walls.

Across the way the Garden Club of New Jersey stages its unusual horticultural room with a wartime conservation show of preparing and transporting surplus seeds abroad. The table arrangements suggest South America, the United States and Central America, while its flower arrangements will symbolize Faith, Courage, Peace, Happiness, Restraint and Generosity. It will also show a Mexican garden.

The theme of the New York Show is Pan-America. In addition to tropical and sub-tropical gardens and groups of plants on the first two floors, the various garden club organizations will carry out the good neighbor theme. Above is the entrance to the exhibit of the Federated Garden Club of New York, at the Grand Central Palace. Aspinwall and Simpson were the club architects.
Cleveland, which is hoping to make its flower show an annual affair, combines this year with a home show. The Garden Center and co-operating organizations will stage the landscaping of small gardens each side of a central water panel. At the end is the bold façade of the Garden Center with a paved and well-planted terrace situated before it. The scheme was designed by Henry Prie.

In New York the Garden Club of America is showing four secret gardens behind high walls. To the right is a glimpse of one of them in Spring In the same exhibit are desert plantings of cactus and succulents flanking a Mexican patio. Flower arrangements are placed under a tiled roof.

P H I L A D E L P H I A has an advantage over most of the other shows in that all the exhibits are on one vast floor which, while it challenges the ingenuity of the management to divide into sections, makes for ease of staging and visiting. Here will be formal and informal gardens, naturalistic Spring woodland gardens and rockeries, a large rose garden, acacia displays, backyard and foundation plantings, wall gardens and herb gardens—enough of a variety to satisfy the most exacting horticulturist.

The Federated Garden Clubs of Pennsylvania will undertake a garden setting for sculpture and cottage gardens. One group of displays will show wallpaper, fabric, furniture, and flower arrangements in combination. Another group is tables for wedding anniversaries, and a third group of fruit or vegetables to simulate flowers. There is a class for those who have never exhibited before, together with sections of flower rooms and arrangements in contrasting colors—gold and white, red and purple, yellow and gray, red and green, and green and brown. Carnations and roses will also be used especially for arrangements. The horticultural exhibits include bulbs forced in the house, herbs, water plants, pelargoniums, plants for a north window, and displays of propagating plants by cuttings and seeds. We understand that all these classes have been filled for weeks and many aspir.

(Continued on page 73)
Williamsburg outbuildings—
as picturesque as the brick mansions

The outbuildings which flank the back lawn of the pink brick Wythe house are as picturesque as the "big house" itself. At left is the laundry—at right the smokehouse and well, separated from the main house by green lawn and boxwood, and a white picket fence as typically Colonial as the apron and long hooded cape of little Marjorie, the butler's daughter.
On these four pages we picture the Wythe house, its outbuildings, and three crafts shops, additions to the Restoration.

Part of the great charm of Colonial Williamsburg is its living reality. No velvet-roped museums, all the houses are livable today—complete down to the last fresh flowers; and in the old shops—forge, shoemaker's and wig-maker's, etc.—costumed workers make patterned wrought-iron, and the shoes and wigs worn by all attendants. To our now famous Williamsburg issue (November 1937) we add a new chapter—four pages showing one of the latest restorations, the George Wythe house, and the interiors of three shops.

The Wythe house dates from about the middle of the 18th Century and was the home of George Wythe, a Virginia signer of the Declaration of Independence and later, at William and Mary College, the first professor of law in the new country. Over the kitchen (which is in a separate building) now lives the James Payne family, whom we show in picturesque serving costumes, against the background of the beautiful antique furniture which the house contains.

Of ruddy Williamsburg brick, the George Wythe house dates from the middle 18th Century. Near it are the smokehouse, kitchen and laundry, necessary adjuncts to a Colonial house.

In the brick-floored laundry, the butler's wife presides over the wash-tubs in which her ancestors might have scrubbed frilled Wythe shirts.

Southern antiques for the most part furnish the entire mansion. Here in the parlor are white walls, rose damask and a typical piano of the day.
In The George Wythe House, Eighteenth Century Williamsburg

In the Wythe house kitchen, the butler and his family gather for dinner. This room is in a building behind the "big house" (page 21).

On gleaming mahogany in the family dining room, the butler, stiff in colorful frogged coat, carefully sets a bowl of fruit.

The "shoo-fly" was a necessary device in Colonial kitchens; a foot pedal slowly swings the fringe-fan hanging overhead.
life goes on unchanged

Last rounds were made by the butler after the family had retired. Old snuffer in hand, he extinguished the candles in the stair-hall chandelier.

The main dining room was used for formal occasions. Here Thomas Jefferson and his wife, close friends of the Wythes, entertained in the Fall of 1776, when the house was lent them by George Wythe, then in Philadelphia.

Williamsburg craftsmen ply their trades in the restored shops

In the Deane forge repairs are made for the delicate ironwork of the Williamsburg buildings. The processes used are the original ones; and the old tools are rare ones from a famous collection donated to the foundation.

The shoemaker's shop (opposite) is an accurate replica of the 18th Century artisan's workshop. Here shoes are made, in the old Colonial fashion, for all the costumed Williamsburg group who guide visitors through the restoration.

Wigs are curled to an 18th Century gentleman's taste, in the wig-maker's shop with its many examples of the Colonial wig-maker's craft.
Trilliums are lowly plants, to be sure, and not especially striking or conspicuous in appearance, but they belong to the liliaceous tribe, and have a lily's simplicity of form, wonderful poise and appealing beauty. To my mind they are among the most attractive of all herbaceous plants.

No difficulty presents itself in their cultivation, providing an effort is made to give them a location that approximates that of their native haunts. They are long-lived plants, and increase naturally both by additional growths and by self-sowing.

It is worth taking infinite trouble with them to make them happy in their new home. A shady place where the ground can be deeply dug and liberally mixed with leafmold suits most of them. In ground that is heavy a little coarse sand may be added. If there is some natural moisture in the soil, especially during the Spring season, so much the better. Certain species, however, especially those from the South, seem to appreciate a dry situation during Summer, their resting season.

As trilliums start growth very early in Autumn, transplanting before September 15th is desirable. Many dealers list the commoner but no less beautiful trilliums and they are not expensive. But until they are propagated more plentifully by seed and division, it is wise to purchase them in quantity. Alas, from many areas they have almost disappeared, owing to the heavy demands made on the collectors or their agents who often strip the forests in order to satisfy their customers' demands. The true lover of these precious plants will purchase perhaps a dozen and then, if he wishes more, he will endeavor to increase his stock by seeds and vegetative propagation.

Trilliums look well when planted in little groups of perhaps three to twelve of one kind. All trilliums last long in bloom. Nature sometimes carpets a forest with them, but we have no right to do this with plants taken from the wilds. A few years hence the fast diminishing wild supply of trilliums will be exhausted. It is indeed shocking to think of, but our country is being gradually stripped of its dearest treasures and the floors of many of our woods.
great silent forests have been bared of the wild plants with which they were once thickly carpeted. Mr. Carl Purdy, skilled plantsman of world-wide fame, published a splendid little note in *Horticulture*, on the propagation of trilliums:

"Where a number of bulbs are available to be propagated, remove the soil to expose the crown but without disturbing the roots and cut off the top of bulb, preferably just at the ring showing the line of new growth. On a large bulb from a few to as many as 30 small bulbs will form before the next Spring and in many cases it may be possible to remove the new bulbs in late Fall and have a new crop by June if a shallow new cut is made just below the previous one. In any case remove the little bulbs not later than July of the next year and plant them in rich woodland soil.

"If the bulbs are out of the ground, decapitate and plant both parts. Where but a single bulb is available and it is desired to continue it in flower, a narrow wedge may be removed around the line of the new growth ring without injuring the growing crown and multiplication along this cut may be nearly as rapid as in the case of complete removal of the crown.

"Trilliums in commerce are collected or grown from seed and this method is not used commercially, but very often bulbs are cut when digging. I always replant injured bulbs and many times, when redigging several years later, I have found close clusters of from 5 to 30 flowering bulbs over the remains of an old injured bulb."

Every one of the following species and varieties are growing on my wooded hillside.

*Trillium catesbaei* is distinctive and exquisitely lovely with its rose pink lily-like blooms that droop gracefully from their slender stalks. In order to see and appreciate the full beauty of the flower this trillium should be planted on a hillside among rocks, if possible, so that it may be admired from a lower level. I saw *Trillium catesbaei* thus for the first time in the North Carolina mountains and I can never forget (Continued on page 68)
Modern Inner Sanctum

The terraced offices of publishers Simon & Schuster, atop New York City's Center Theater, show that modern office design is both gracious and efficient.

In the editorial work-room, flashes of brilliant maroon wall appear behind the books. The big table is usually disassembled into a number of smaller tables placed around the walls.

Comfortable seats upholstered in various tones of red and brown ease the lot of visitors in the reception room. The furniture is of birch and was specially designed by the architect, Edward D. Stone.

The inner sanctum separates the offices of the two publishers, Richard Simon (left) and M. Lincoln Schuster, shown as they confer over a submitted manuscript.

Mr. Schuster's corner office has two window walls, which look out on the terraced roof garden, and a yellow ceiling. The other two walls are bookcases, below which light birchwood panels conceal the publisher's many filing cabinets.
On the roof of the Center Theater, the penthouse is surrounded by a wide flagstone terrace bordered by flower gardens. All the offices are air conditioned and look onto this terrace. They are served by a single corridor down the center, which is lit through the obscured glass panels used for inner walls of the offices. A restful gray is the prevailing color which is used throughout the interiors.

Mr. Simon’s office is almost identical with that of his partner. The upholstery is coral leather, the ceiling yellow. Here one wall is glass; the other two are bookcases and gallery for Mr. Simon’s own photograph collection.

Desks before and behind the General Manager, Leon Shimkin. Sliding end panels are typical of all S&S desks. Informal simplicity is combined with planned efficiency.
Now I don’t usually believe in miracles. But considering that there happened to be every reason in the world why I shouldn’t go along to Hawaii, and that there were no shooting stars to wish upon; no rabbit’s paws to stroke upon; no Aladdin’s lamp to rub upon; no four-leaf clovers there to pounce upon; and I hadn’t found two kernels in an almond shell; and we weren’t near a wishing well; I hadn’t seen a pin and picked it up; nor accidentally put my shirt on wrong side out; and certainly no strange black cats were prowling around about; nor had I had first peaches of the year; nor spilt Champagne round about; nor had I had first? I do wish I could!”

And it so turned out. I did, sans wishing bone, sans birthday candles, sans everything. Armed with a little notebook, said, “Oh! wouldn’t that be a grand idea! I do wish I could!”

On Feb. 15th: I wrote: Dear Notebook: Tomorrow we sail for Honolulu on the S. S. Lurline. With the help of this promising new yellow pencil, you are about to experience the not too unpleasant sensation (I hope) of having your neatly blue-ruled pages scribbled, scratched, and otherwise inscribed upon. And you, my dear, were chosen from dozens of other little notebooks in the five-and-ten-cent-store to be the recipient of all my about-to-be-experienced adventures, observations, and sensations. Be patient and attentive, for if pencil and I can keep to the point you may some day have the thrill of being transferred to the illustrous pages of House & Garden.

Feb. 16th. Well, we’re off! Such goings on! Newspaper reporters all over the place interviewing Notables, ignoring Unnotables. Photographers bulging with flash bulbs frantically taking pictures of Notables—especially Edna, looking very pretty and very smart, obligingly waving imaginary goodbyes to friends on dock below, who were actually standing right by her side.

A tangle of people, paper ribbons, baggage, gang-planks, and messenger boys laden with steamer baskets, flowers, and telegrams. Sorry for two tiny little boys being ruthlessly buffeted around by seething crowd as they unsuccessfully tried to catch hold of streamers being unfurled from above. The sudden quiet hum of ship’s engines as we stole out of Los Angeles Harbor, and I realized with a start that we were actually off.

With little shivers of excitement running down my back, I pushed my way politely down the crowded staircase in search of my as yet unvisited cabin. Would it be tiny? It wasn’t. Would there be a telegraph? There was. Would there be any one sharing my cabin? Thank goodness, no. (Some kind angel working miracles again.) Any flowers? Yes. Wonder who sent the fruit? Wonder what’s in the box? Wonder if that’s the bath? Any towels? Yes, heaps of them. Any closet? Too short for evening dresses, no doubt. Sorry, take it all back—certainly not!

Feb. 17th. Tomorrow is now today and about to be tomorrow again. Time flies on this boat faster than a humming bird can bat its wings. Fun finding Peggy and Roy on board. Fun eating up Dick and Edna’s sugared grapes. Determined to arrive in Honolulu divinely thin, I resisted ordering pickled salmon bellies in cream, and ordered instead tomato juice, which proved to be unusually good. Marveled at new kind of manufactured toast, ate quantities of very green celery which was amazingly sweet, and felt very sanctimonious indeed as I finished off with freshly made Sanka and a stewed pear.

Unfortunately noted Notables (Roy and Peggy to be exact) devouring a steak (not on menu) the like of which you’ve never seen before, ordered specially from attentive Maitre d’Hotel and sent by alert Chief Steward. Wondered what would happen if Unnotable like me ordered something special. Investigated, and found that everybody, even Chef Paul Koy, fell all over the place producing to perfection my flights of fancy for dinner tonight. Tossing all resolutions of getting thin aboard overboard, eased my conscience by walking violently around the deck once with Edna and Dick before retiring to my most luxurious cabin. The ocean looked very smooth and black.

Feb. 19th. What on earth have I been doing the past two days? I can’t for the life of me remember, but I know I’ve had a glorious time. Races, deck-sports, concerts, dancing, movies, even keno. Also read up on Hawaii in Matson Line Magazine, slipped discreetly underneath my door each day. Had no idea I knew so little about Hawaii. I hate to tell you, but I thought Honolulu was in Hawaii! But I don’t feel too terribly ashamed, because Dick thought so too—in fact he still thinks so! It isn’t. It’s in Oahu, one of the twenty islands of the Territory of Hawaii, nine of which are inhabited, eight of which I remember, namely—Niuhau, Kauai, Maui, Hawaii, Lanai, Oahu, Molokai, and Kahoolawe. I can hardly wait. I’m fairly bursting with excitement. Wonder what it will all be like?

Feb. 22nd. 2 A.M. Royal Hawaiian Hotel. “If this be I, as I hope it may be, then I have a little dog home, and he will know me!” But I’m not at all sure it is I, because never before in all my life have I had such a fuss made over me. No sooner had the Lurline pulled up to dock in front of the famous Aloha Tower than we were surrounded (Continued on page 66)
**Dramatic simplicity**

Fine Spode service plates with traditional grape-and-leaf border and fluted rim combine, for our March table, with blond wood and modern crystal (see sketch right).

As simple, as sophisticated as modern design at its best, the plates are in an original pattern almost two hundred years old. Scalloped linen mats from Maison de Linge reflect their coloring. Libbey's low crystal candle-holders and tall "Monticello" glasses are modern, from Wanamaker; the silver, Reed & Barton's "17th Century" pattern in sterling, reverts again to traditional. Plates, Spode "Valencia"; Jones, McDuffee & Stratton, Boston. Table, Modernage. Porcelain centerpiece, Yamanaka. Candles, Will & Baumer
Does your room "become" you?

We design three rooms for three bright stars, to show you how your color scheme can flatter your own eyes, your skin and your hair

For Jane Pickens, singer and comedienne, star of Ed Wynn's musical "Boys and Girls Together", we planned this living room. Her blond hair has coppery highlights, and her skin the cameo-clarity of a redhead. She shrinks from formality and likes music, bibelots and fresh flowers.

Blue-green and henna rose complement her skin and hair, so we chose blue-green for her walls, splashed with flowers, and a taupe ground for the flowered broadloom carpet. Henna rose was used for accent, a shade which was chosen to echo the tawny lights of her hair.

For Zorina, America's most beloved ballerina, now starring in Broadway's "Louisiana Purchase", we planned this dressing room. She has the camellia-white complexion and very blue eyes of a blonde, yet her hair is a light, rich shade of brown. On stage her costumes are a blaze of gaudy brilliance; but in private life she prefers clear bright pastels and white.

Clover-pink broadloom and silvery blue walls bring out her lovely skin and blue eyes; drapery and dressing table skirt are "Sister Prints", clover patterned. Wallpaper used here and in the room above is by Strahan

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Ilka Chase, sophisticated rapier-wit of stage and screen, has earned her laurels in radio as well, for her brilliant year-old broadcast, "Luncheon at the Waldorf", which goes out weekly over a 48-station network. She not only lines up celebrities for her program and writes her own scripts, but is currently writing a book on her "mike" adventures.

For her dark chic we chose Dunbar's Baroque furniture, these sophisticated colors. All carpets shown are from Alexander Smith's "Colorama" group, in shades especially planned to complement your style. Fabrics, Waverly Glo-sheen. Details are on page 61

Plan your color scheme by "trying it on", shaping and fitting it to your own personality
Colonial furniture in warm maple finish against gay country chintz, is a familiar sight. But set against typical modern architecture and combined with modern designs in wallpaper and fabric as above, it acquires a fresh and exciting personality.

Plowshares
into Swords

A message to garden clubs

Soldiers say that in modern warfare they have little use for swords. On the other hand, from the beginning of civilization there never was a time when a plowshare couldn't be used for its peaceful purposes. Every now and then the world goes mad and beats its useful plow­shares into swords. Today we are facing the necessity of defending ourselves against that kind of madness. Men and women are facing it together and alone. Organizations given over to cultural pursuits are facing it, asking what they can do. Not the least of these perplexed groups is the garden club. What can a garden club do to make the "duration" more endurable?

England, which depends vitally on imported food­stuffs because of its insular position, began turning part of its lower gardens and lawns into vegetable patches as soon as threat of war appeared. Farm and garden women canned and preserved furiously. The Ministry of Agriculture, in one of its earliest orders, limited rose production to 10% of normal, and general nursery stock to 50%. The Ministry made it clear, however, that the nation was not expected to dig up its rose gardens or shrubbery borders. Recently the professional glass-house grower was ordered to use only half his 1939 acreage for flowers and is required to turn the other half into growing food products.

Even in her direst need England realizes how essential flowers are in maintaining morale. Or as one homely report put it: "The family, leaving its garden dugout in the early hours of the morning, is cheered by the fugitive perfume of the rose bed."

Here in the United States we are suffering from a glut of accumulated cereals and fruits. Our ships are no longer able to carry them abroad. We are embarrassed by their plenitude. Americans might well count it part of patriotic duty to eat more fruit. There seems no pressing need for us to turn our flower beds into vegetable patches. Nevertheless some think that we should.

One argument advanced by those who propose vegetable gardening as a patriotic duty is that by growing our own foodstuffs in our own gardens we will require fewer freight cars to haul fresh vegetables from the great growing centers of the South and West and thereby clear the tracks for trains hauling raw materials and finished munitions to and from factories.

Others argue that a vegetable garden can be a help to the family budget through the oncoming period of defense taxation. Yes it will—if the family does the work and the surplus is canned and preserved. Without this personal labor a vegetable garden may prove an expensive and most wasteful luxury.

House & Garden proposes that its readers—the men especially—try their hand at vegetable gardening and small fruit growing this year, in addition to pursuing their floral hobbies. There may come a time when the practice will prove invaluable.

There's another aspect to this suggestion. When the last war was over, Americans, with characteristic enthusiasm, took to growing flowers. The vegetable garden and the home fruit patch were neglected. Is it not conceivable that Americans, once more accustomed to the finer flavors and freshness of their own home-grown produce, will strike a fairer balance in gardening interests? Isn't it about time the home vegetable and fruit garden came into its own again? Let the garden clubs pursue that line during the coming season.

Now and then we receive reports that members of garden clubs feel it unpatriotic to be active in gardening and flower shows at this time, that whatever extra energy and hours they can spare should be devoted solely to war work.

Again let us look to England, to a recent report of this last November's shows in sections other than the bombed areas. It seems that these shows have been outstanding successes and that they were promoted by amateurs and not by the horticultural trade. The amateurs of England—equivalent to our garden club members and certainly with their time taxed for defense and relief work—have proved that flowers and flower shows give much-needed repose and relaxation. Once again it is morale that these help maintain.

There never was a time when Americans needed more desperately to keep their heads on their shoulders—sane, cool heads on healthy shoulders. Whatever contributes to that sanity, health and that determined cool approach to the work required by our help to other democracies and protecting our own interests is a defense measure in itself. Gardening is an aid to sanity and health. It is one of the most worthwhile and beneficial "escapes". The hoe is the gardener's sword.

In our grim effort to render every patriotic service let us remember that the spirit as well as the flesh must be sustained. There come times when a neatly tended border of flowers plays as essentially patriotic a role as the most robust patch of cabbages, when a rose is as necessary to mankind as a potato.

Richardson Wright
SAFE AT HOME

Protective devices to guard against major and minor domestic mishaps

Safety window ladder: Non-kinkable chain fire-ladder stores in case beneath window. According to lengths, $20 up. Hammacher

Fire extinguishers: Smother fire with CO2. Approved type. Kidde Co. $11.20. Carbon tetrachloride handgun, $2. Coronado Company

Fire alarm signal: "Vitalarm," automatic electric fire detector. $12.50. With extension kit, $15.75 complete. Gamewell Company

Fireplace screen: Bennett Flex-screen curtains provide protection against flying sparks. Prices from $12 up. At Lewis & Conger

Make your tub safe: "Savafal" suction handgrip and safety mat. $1.45, $2.45. Bath mat, rubber underside, $7.25. Hammacher

Safety underfoot: "Leco" Non-Slip Floor Polish eliminates slipping hazards. For all resilient surfaces. $1.50 qt. Walter Legge

Self-leveling ladder, in sizes from three to eight feet, costs $2.50-$5. Automatic step-stool, $5.50. Hammacher Schlemmer

Skidproof your rugs: "Life Guard" cushion rug-holder keeps rugs smooth, flat and secure. Sold by yard, 3 widths. Lewis & Conger

Tear gas machine gun: Safe, effective protection with non-toxic, non-lethal Duncanite gas. $37.50. Duncan Chemical Dept.

Pickproof locks by Dudley have non-duplicate keys, special tumblers. Rim, $3.94; double door, $4.23; padlock, $2.59. R. H. Macy

Radio nurse keeps watch in bedroom or nursery. Transmits sounds to other parts of the house. $24.95. Lewis & Conger

Electrical safeguards: Insulating fiber link for bathroom light-pulls. Buy U.L. tested electric cords. At leading hardware stores

Window guards to safeguard the children. Folding gate with lock. Comes 36" wide, various lengths. $10.50. Hammacher Schlemmer

Rubber-bladed fan: "Samson Safeflex" fans overcome the menace of accidental slashing. AC or DC models, $9.95. Lewis & Conger

Knife rack and sheaths prevent cutting injuries. Wooden rack, 95c; leather sheaths, up to 12", 1sc-35c. Hammacher Schlemmer

Lockup for poisons: Stainless steel inner cabinet for poisons, with lock. Fits any medicinechest. $9.50. Hammacher Schlemmer
Katherine Morrow Ford points to the rise of a new American architecture molded to fit the traditions of the region in which it is placed.

In the work of modern architects on the Atlantic seaboard from Maine to Florida, in the Pacific Coast states, as well as in the Great Lakes Region and the Southwest, regional distinctions are increasingly apparent. Native essentials characteristic of our best regional folk architecture are gradually being fused with the vitality of freed design.

Contrary to some popular impressions, modern architecture cannot be reduced to a precise formula. Nor is it regimented into the universal placing of a standard mold indiscriminately in the North, the South, the East or the West. Lack of studied uniformity is one of its virtues. Environmental influences are enormously important. Concessions made to climate alone result in modifications in orientation, construction and external forms. Sensitivity to materials—new and old—and their appropriate use is another of the many facets of the new architecture.

Within a given geographical area, experiencing similar climatic conditions, still further departures from a national "style" are brought about as a result of the variety of available building materials and local craftsmanship in the use of such materials. For example, Massachusetts, with large timber resources, and Pennsylvania, with plentiful stone and ledge formations, enjoy an approximately (Continued on page 79)

NEW ENGLAND
Clapboards treated in new ways

The use of wood clapboards or siding is a time-honored New England tradition; but it is as suitable in a modern house as it was in the homes of our ancestors. In the Curtis house, 1, at Belmont, Mass., designed by G. W. W. Brewster, and in another Massachusetts home, 3, designed by Wills & Stubbins, the clapboards are painted eggplant color and used effectively as part of a quite untraditional design. In the Gropius house, 2, at Lincoln, Mass., designed by Gropius & Breuer, wood siding is used vertically, but still painted the traditional white.

PENNSYLVANIA
Modern still uses native stone

Wood set vertically in accordance with native barn tradition, and stone from a nearby quarry, give a decided regional flavor to the Cole house, 1, at New Hope, designed by K. Day. Equally typical of the Bucks Co. tradition applied to modern design is the living room of the Williams house, 2, designed by A. Raymond, which is just across the Delaware at Frenchtown, N. J. The wood was taken from an old barn on the property. Bearing walls of native gray masonry give local character to this house, 3, at Whitemarsh, designed by George Howe.
Across the country from Florida to the far Northwest, each region evidences its history and climate in the character of today's modern houses.

**FLORIDA**

Spanish-Colonial ancestry

Suggestive of Florida's Spanish-Colonial ancestry are the sparkling white walls, unadorned, the low-pitched tile roof, and the spacious porches, in this house at Winter Park, designed by Philip L. Goodwin. Overhangs above the windows give desirable protection in this semi-tropical climate. This design would be inappropriately exotic in a New England landscape.

**THE GREAT LAKES**

Horizontality of the prairie

The long low lines so typical of the best modern work in the Midwest derive from Frank Lloyd Wright, and are shown here in the work of two of his pupils. The Cahn house, 1, at Lake Forest, Ill., designed by George Fred Keck, has great sheets of glass protected by very wide overhangs and built-in aluminum Venetian blinds. It has a steel frame and the flat roof is watercooled like that on the Kohler house, 2 and 3, in Wisconsin, which was designed by William F. Dennen. The brick exterior of this house is carried on a heavy structural steel and concrete frame.

**ARIZONA**

Continuing desert traditions

Instead of the great window areas usually associated with modern houses, solid walls predominate here (as they always have) for protection against the intense sunlight. The Flinders house, 1, at Tucson, has walls of sun-baked adobe bricks lathered over with stucco. The same architect, Richard A. Morse, has also used stucco for the Countess of Suffolk's house, 2 and 3, at Tucson. This and the flat roofs make them barely distinguishable from the mud-plastered forms of the early pueblos. Inside, however, both houses are distinguished by modern design in furnishing and decoration, as well as in the more fundamental characteristics of functional home planning.
THE NORTHWEST

Its tradition is wood

The hilly country near Portland, Ore., is a land of tall timber, spruce and fir. Centuries ago the Puget Sound Indians were building their long houses of fir. The walls were of wide planks laid vertically with battens or horizontally. The Sutor house shown here, designed by A. E. Doyle & Associates, is in that tradition. The walls are of spruce siding and the cedar shingle roof has wide overhanging eaves for protection from sun, rain and snow. 1 shows the house in Summer, with its stone steps and attractive rock garden; 2 in Winter, against a background of snow-clad northwest pines.

CALIFORNIA

Even climate, varied scenery both encourage open-air living

Typical of the popular open plan is the Manor house, 1, in Contra Costa Co., designed by C. W. W. Mayhew and more fully shown in our January 1941 issue.

The Garden Court apartments, shown above, 2 and 3, at Palm Springs, were designed by Kocher & Frey to cope with desert conditions. They give protection against heat and cold, earthquakes and sandstorms. Also at Palm Springs is the Miller house, 5, designed by R. J. Neutra. Its living room opens onto a big screened porch; but in the Lewin house, 4, at Santa Monica, Neutra arranges the living room to give onto an open garden terrace overlooking the sea. In both houses the exterior walls are almost entirely of glass.

The Ernst house, 6, at Los Angeles, designed by G. Ain, is set on a hillside. It turns a blank front to the street, opens out to the view at rear.

37
If you go away every Summer, why have flowers wasting their beauty in a deserted garden? Phlox and hollyhocks are lovely, to be sure, but not much use if you’re not there to enjoy them. It is easy to adapt your garden to your life and habits and fill it with things which bloom before the middle of June and after Labor Day, if that’s when you’re about.

There are quantities of flowers for Spring and Fall and the best are to be found among the perennials and biennials (annuals are for the Summer gardener). In late April, when all outdoors is full of tiny pale leaves and tender young shoots, when there is a new warmth about and the earth is damp and fresh with the fragrance of it, the earliest of these perennials and biennials come into bloom.

A large cushion of pure white flowers will decorate the front of your border if you grow candytuft. So profuse are the blossoms that you can scarcely find the foliage the few weeks it blooms. It will thrive in either full sun or semi-shade. Basket of Gold alyssum, *A. saxatile*, comes about the same time, has gray foliage, and approves of lime—most gray-leaved plants do. Innumerable golden flowers appearing in clusters among the leaves suggest gray and yellow as an appealing combination of colors whether for an interior, a costume, or a flower border. The blossoms of *A. saxatile citrinum* are pale corn yellow and blend well with tulips, grape hyacinths and scillas, all of which are in season about the same time.

If you would have the brilliance of marigolds in April, grow Siberian wallflowers, *Cheiranthus allioni*, for they are the same deep gold. They are biennials. Sow the seeds in an out-of-the-way corner one May. When you return from your vacation the young plants which are to bloom the next Spring will be big enough to set in the border—and they like a location which is high, dry and hot.

When the maple leaves are still tiny and curled and red, blue phlox, *P. divaricata*, begins to blossom. It is covered with lavender-blue heads of flowers for nearly a month and runs with
riotous abandon all over the garden. Five plants one year will
be enough for a border twenty feet long in three years. Inter-
plant with John Ruskin tulips or Alyssum saxatile for an en-
chanting effect.

Primroses are varied and spectacular. There are those
which enhance the early garden with clusters of delicate yel-
low blooms and also come in tones of burgundy with centers
of gold. Perhaps the most delightful are the blues and lavenders
with yellow eyes. Then there are those which send up clusters
of florets like small snowballs on ten-inch stems. But investigate
them all, and the more you have the more you will want. There
is a man in Oregon who raises them—multitudes in all divers
forms and colors, and many that are deliciously fragrant as well.

One of the first signs of Spring is the arrival of the flower
vendor. His husky and amiable horse ambles in a leisurely
fashion along the road while he calls out his wares in a language
which must be English—but you wonder. He has among other
things pansies, forget-me-nots, and a plant covered with flowers
made somewhat like a dandelion, only pink, and which we used
to call "bachelor buttons." You’ll want some of each.

Pansies never lose their charm and no two are ever quite
alike. Every year their petals are more ruffled and frilled. My
favorites last season included one that was ink-blue, and a gray
one with a yellow center—again that nice Spring color scheme.
If you keep pansies persistently picked, they will flower till
you go away, and may even greet you on your return if your
nights are cool and cutworms shun your garden.

Insist on the deepest rose "bachelor buttons" for they
fade lighter as time goes on, and then settle them near forget-
me-nots. If there is a blue mist in the flower wagon it will prob-
ably turn out to be Anchusa myosotidiflora. Its blossoms are the
blue of the Spring sky and it spreads so rapidly that you will
eventually find young plants among the evergreens around your
house, if you don’t watch out! Try violas too. They are tiny
and perky and sometimes apricot or maroon but mostly deep
violet and blue.

The star magnolia is blooming, the lilacs budding, and
the wisteria full of promise when the next group of perennials
flower. They are taller and for the center of the bed. These four
growing together compose a  

(Continued on page 71)
Strawberries have been served up in many ways, but never more temptingly than in the crisp ensemble above, where they bloom alike on chintz dirndls and dressing table, slipper chair and waste basket.

Always a decorator’s standby, chintz has in the past few years, with the perfecting of washable glazes, invaded the dressmaking salon as well. And proof of its versatility appears in the mother-daughter dresses made of the same chintz which decorates the bedroom. Organdy curtains carry chintz appliqués. Offstage, a white chintz bed boasts a matching comforter, with strawberry leaf green lining and berry appliqué. Cyrus Clark Everglaze chintz. Decoration by Lord & Taylor
18th Century Decoration

style was dominant, but it merges at one end with Queen Anne, at the other with Hepplewhite, Sheraton and Duncan Phyfe. The Rococo mounts to its zenith and starts to decline. Walnut has a new rival in mahogany. And American craftsmen produced pieces of a quality which compares favorably with English work.

Random notes. Marble was imported until after the Revolution when domestic marbles began to be used . . . Marble chimney pieces, window sash, lead roofing and hardware were all imported from London . . . The size of glass window panes gradually increased as the century progressed.

Fireplace designs

Window details

Drapery treatments

Fireplace designs

An order of small pilasters or columns supporting the mantel in a chimney piece was found only in imported work prior to the Revolution . . . Fireplace openings with neither corner nor mantel shelf were long common . . . Ears on the architraves are almost universal, and a pediment (always broken) was very common. After 1760 the scroll pediment, or a similar treatment of the architrave, occurs.

Rocaille scrolls appear both in plaster work and painted wallpapers . . . The manufacture of wallpaper in this country was begun by 1763. Before this (continued overleaf)

For dining room, bedroom, turn this pag
Colonial 18th Century Decoration  (Continued)

it was imported from Europe ... The "Pennsylvania fire­
place" or "Franklin stove" was invented by Benjamin Frank­
lin in 1742. ... Philadelphia was a furniture style center.

Artists and craftsmen. ARCHITECTS: Samuel McIntyre, Charles Bulfinch, John James, Richard Mundy, Peter Harrison, John Kirk, Isaac Royall. These men were greatly
influenced by the English architects Isaac Ware, James Gibbs, 
Robert Morris, Abraham Swan, William Halfpenny, Batty
Langley, William Pain, who in turn were in debt to the Italian
masters Palladio and Giacomo Leoni.

CABINET MAKERS: Moses Dodge, Stephen Dwight, Henry Hardcastle, Gilbert Ash, Robert Wallace, Charles
Shipman, John Brinner, John Tremain, Charles Warham, 
John Brown, Bemsley Wells, Thomas & Benjamin Laskey, 
Jonathan Goodhue, Job Trask.

UPHOLSTERERS: Stephen Callow, Richard Wenman, 
Joseph Cox, John Taylor. MANUFACTURER OF WALLPAPER:
Jackson of Battersea (England). MANUFACTURERS OF WIN-

DINING ROOM

The furniture and fabrics shown in the five panels at right 
would look well in any dining room; but for your guidance in the 
selection of materials and colors we illustrate at right a fine Colo­
nial dining room as it might have 
appeared in the 18th Century.

The pine-paneled walls are 
colored a light ocher, the niches
Chinese red. Curtains are French
blue. Blue, rust and beige predom­
ninate in the Oriental rug, dark
green, blue and black in the por­
trait over the fireplace. Table and 
chairs are of walnut, the sideboard
of mahogany.

An alternative color scheme
would be light blue-gray walls with 
cream niches. Curtains would be
oyster white silk, the Oriental rug
having a greenish tan background.

BEDROOM

In the bedroom at right, 
choice of color and textures was 
designed to achieve an impression
of warmth and intimacy. The pan­
eled walls are in two tones of gray-
green, the ceiling ocher. Curtains
are antique gray-green satin.

Furniture is walnut, except for
the mahogany bed, which has a 
yellow taffeta spread. Fireside
chairs are covered in crimson dam­
ask, side chairs in turkey work.

An alternative color scheme
would be: warm gray walls with
oyster white moldings. The ceiling
would be cream, the carpet solid
taupe, and the curtains of blue
damask. The bed would have a 
white moire spread and blue val­
ance. The side chairs would be
upholstered in yellow damask, the
wing chair in turkey work.

Decorating a Colonial dining room

Decorating a Colonial dining room

Dining tables, consoles

Fabrics for curtains and upholstery

Fabrics for curtains, upholstery, canopy

Four-poster beds

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Decorating a Colonial bedroom

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Decorating a Colonial bedroom

Decorating a Colonial bedroom

Four-poster beds
Dow and bottle class: Baron Steigel, Caspar Wistar.

Fabrics most commonly used: Damask, camblet, Indian gimp and binding, moreen (woolen drapery cloth), harness cloth, block-printed cotton and linen, cashmere, calico, dimity, durance, stout worsted cloth, turkey work (tufted, "pile-like"), paduasoy (strong silk), soy, shalloon, watchet, linsey-woolsey, fustian, silk muslin, chintz, Indian calico, tabby, satinet, taffeta, horse-hair, camak, bancours, brocade.

Woods most commonly used: Oak, ash, elm, red cedar, mahogany, walnut, maple, pine, cherry.

From the glories of the Colonial, American decoration turns to the Classic serenity of Federal—in our May issue.
We present on these four pages the first installment of a new feature: the House & Garden Dictionary of Period Decoration. Published in alternate months through 1941, the Dictionary will acquaint you with the essentials of six leading decorative styles: Colonial, Federal, Early American, Georgian, 18th Century English, Directoire. In May we bring you the Federal style.

THE EXTERIOR

The architectural details shown in the five panels at right are characteristic of the background for 18th Century Colonial decoration. As one of the finest houses of the period we have pictured (at right) "Westover" the great mansion erected by William Byrd in Charles City Co., Virginia. Typical of this period are the brick walls and chimneys, the stone or white painted brick trim. In the North wood was in more common use than brick for the exterior, and the interior wooden trim was finely detailed.

LIVING ROOM

The furniture, fabrics and accessories shown in these panels are all suitable to the living room, and they are all typical of the 18th Century Colonial style.

The interior pictured at right is a fine Colonial living room carefully restored to its 18th Century state. The walls are Naples yellow, the columns and fireplace white. Red and green are dominant in the Oriental rug, dark greens and browns in the portrait above the fireplace. So the sofa is upholstered in striped satin, the armchair in yellow Venetian brocade, the wing chair in a printed linen. The urns are of Chinese porcelain.

Another color scheme might be: pearly gray walls, oyster white columns and fireplace. Red would be dominant in the Oriental carpet, dark greens and red in the portrait. There would be red damask on the sofa, green rep on the wing chair, and gold damask for the armchair.

Decorating a Colonial living room

Wing chairs, armchairs, sofas

Fabrics for curtains and upholstery

House & Garden's Dictionary of Period Decoration has been in preparation for more than three years. Hours of research in many libraries both here and abroad, careful note-taking in private houses and museums, carried out under the direction of our Decorating Consultant, Joseph B. Platt, have assured the authoritativeness of this work. You will want to keep each chapter at hand for reference, whether you are buying at a metropolitan store or looking hopefully for bargains at a country auction.

The 18th Century Colonial period was the first of the really great eras in American cabinet-making. The Chippendale...
Colonial 18th Century Adaptations

The authentic rooms on pages 41-44 interpreted for today with fine mahogany reproductions and modern fabrics

Living room in dusty tones
Here we have planned a living room similar to the early one on page 41, with the focal point a wide mantel, flanked on either side by French windows. Carved pilasters and chandelier were omitted out of deference to today's lower ceilings; swag draperies make the windows important.

The furniture follows the originals:
Wing chair in Johnson & Faulkner's ivory print satin; side chair, sofa in Stroheim & Romann's pink brocatelle—all, Loeblein. Pedestal lamp table, fern-stand, Fine Arts; coffee table, Tapp. Wallpaper, gray-green with dusty pink, Katzenbach & Warren

Dining room, simple and stately
Though smaller in scale, we have kept the splendid proportions of the dining room on page 43—while stripping away the heavy carved pediments and elaborate paneling which would crowd the setting.

For the original massive Chippendale pieces we substituted a small console table which can be used for dining à deux (or, as here, extended with servers at either end); and Hepplewhite-type chairs; all, Drexel. To keynote the scheme, Firth's patterned carpet with the rich drawing and warm colors of an old document print. Damask draperies, Johnson & Faulkner

Bedroom in patriotic dress
A light, gay wallpaper doubles for the paneling of the bedroom on page 43—scarlet roses on gray and white stripes. And for the towering draped bed, a lighter four-poster with frilly organdy valance.

The elaborately woven spread is "George Washington's Choice", copied from Mount Vernon by Bates; the rug, a strong clear blue in damask design, Alexander Smith's Tapestry Point. And over mantel, instead of a family portrait, charming little gilt brackets hold carved figures. The wing chair, Loeblein; other furniture by Kindel. United Wallpaper
A new version of Federal

At J. L. Hudson's in Detroit, "American Manor", an adaptation of the Federal style, makes its bow against modern fabrics and wallpapers.

Sturdy, substantial, and yet graceful and light in feeling, this "American Manor" furniture is a new variation on traditional Federal lines. Using the Federal style as a basic point of departure, the designers have simplified its contours to make it blend suitably with backgrounds of today.

American Manor is executed in mahogany in a very dark, highly polished finish, and further contrast is provided by occasional pieces in light, natural tone. The same characteristic turnings of legs, pilasters and posts are found throughout the group, and brilliant accents are contributed by fine hardware and occasionally by mirror panels and restrained use of plastics.

The decoration is by Gertrude Mider, of J. L. Hudson, who originated the designs for the wallpaper and fabrics, and the color palette for the entire group. Furniture is by Johnson-Handley-Johnson; upholstered pieces, Mueller; carpets, Cochrane; fabrics, Desley and Doblin; lamps, Mutual-Sunset.

From the flowered carpet is taken the color scheme for the bedroom. The walls are a soft shade of medium blue. Beige rayon taffeta is used for the bedspreads, floor-length draperies and the full skirt for the dressing table. The flounces on the spreads, and the huge bows on the draperies and dressing table skirt are beige rayon taffeta with a narrow wine-red flock stripe. The little dressing table stool is covered in a vivid wine red fabric. The tall built-in cupboards with fine grilled fronts hold a collection of bibelots.
Rosettes and rings are the motifs chosen for the brass hardware on the bedroom chest. Note also the beautifully turned feet.

"Companioned" fabric and paper appear in the library. The dark-finished end table shows Empire influences, and contrasts with the coffee table, its rose top marbleized through the new Di-Noc photographic finish.

From a Guatemalan shrine comes the Baroque flower and scroll design of the living room's wallpapered screens. Light and dark finishes are mixed here, the light bergères being covered in a green woven textured stripe. The rug is a plain beige twistweave; the walls are a soft plain green.

Highly polished dark mahogany is used for all the dining room furniture, contrasting with deep rose walls and white woodwork, and black carpet sprinkled with small roses. The chairs wear a rose textured material.

This furniture contrasts dark and light finishes and makes discreet use of various new plastics.
24 STEPS IN THE PLANTING

1. Perfectly developed bud (A) selected with great care. (B) Split calyx with sharp knife and remove all petals. (C) Remove all pollen heads from stamens. Numbers 1 to 9 explain hybridizing a new rose.

2. Open blossom, true to type in every respect. Squeeze pollen heads gently between fingers. If pollen is ripe and ready to use for pollination a yellow smudge-like fine dust will remain on the fingertips.

3. Gather pollen on small camel's-hair brush. (A) Brush on stamens of trimmed bud. (B) Cover pollinized bud with small Cellophane bag. Pollinization is best done in late afternoon on a cloudy windless day.

4. Multiflora is used as grafting stock. Choose only strong plants with straight, clean stems. (A) Make clean slit near base. (B) Insert cutting. (C) Bind or seal graft with commercial grafting wax or binding.

5. Graft proves (m plant throughout Summer. Keep shaded and moist. After killing frost cut away multiflora above graft and hill up for Winter. Numbers 9 to 24 cover rose garden planting, spraying and care.

6. New plants arriving from the nursery should be hilled in against the time they are planted. Lay the plants on side and cover roots well with soil, and the tops with damp burlap. Keep covered till planted.

7. Dig hole large enough to spread the roots. Have 6 inches at bottom of hole made up of 25% peat, 25% rotted manure (cow preferably), and 50% good loam. Fill gradually with 50% soil and 50% peat.

8. Pack soil about roots. When ½ full pour in plenty of water and allow to settle. When water has disappeared continue filling until soil is just above the graft. To prevent caking do not pack top soil.

9. Hill up with soil, just about covering plants, after planting. This will prevent bushes from drying out before new growth starts. Remove this covering when new growth is evident (about 2 weeks).

10. Feed plants in early Spring and once every 6 weeks thereafter until Aug. 1. Circle plants and work in. Don't feed new plants first year. Water every week or 10 days by removing nozzle and flooding beds.

11. Mulching is important to hold moisture in ground during hot dry months. Apply mulch of peat over entire bed or keep soil well cultivated. Be careful not to disturb roots by cultivating too near plant roots.

12. Sucker growth starts below the graft. To remove, brush away soil and gouge out sucker at its source. Use sharp knife. Most roses have 5 leaves, suckers 7 to 9, and are easily distinguished from others.
ANIJ CULTURE OF ROSES

4 Ripe seed (pod, deep yellow brown, takes from 1 to 3 mos.) should be removed from pod and soaked in water for 24 hrs. Sow in pots in well pulverized mixture, ½ good garden loam and ½ leafmold.

5 Seed germination takes from 1 to 2 yrs. As seedlings appear, and before true leaves form, transfer to small pots. As growth warrants, change to larger pots. Pot-grow until new plant comes into bloom.

6 Take cuttings in the Spring if the bloom of seedling rose is a type desired. Use only strong new growth. Whittle ends of cutting to a point that is flat on both sides. Do not allow cutting to dry or wither.

10 Transfer to planting spot 2 at a time, in bucket of thick muddy water. This prevents roots from drying out and killing fine roots by being exposed to wind or sun before going into the ground.

11 Prune back tops to about 5 or 6 inches above soil level. Trim back all heavy roots. Cut broken roots above break. Treat roots by dusting with hormone powder to encourage faster growth of new feeder roots.

12 Graft bud should be placed just below soil level. ½ to 1 inch of soil over graft is ideal. Correct planting will lessen trouble with sucker growth and Winter kill. Be careful not to uncover graft when cultivating.

16 Spray plants and surrounding soil with Bordeaux mixture in early Spring and late Fall, again in budding season if disease is evident. Dust thoroughly each week from July to November with dusting sulphur.

17 Three insects most common to roses are: (1) rose chafer (2) rose aphis (3) Japanese beetle. Spray weekly with nicotine and soapsuds for aphis. Hand pick other two into small jar, half-filled with kerosene.

18 Spraying should be done thoroughly and consistently. Remember, insects are under the leaves as well as on top. (A) Spray underpart as well as tops (B), covering plant all over to insure success.

19 Cutting roses is important if your plants are to continue blooming. (A) Cut so that 2 leaves of 5 leaflets each remain on stem. (B) 2 new blooms will grow. Remove all withered blooms in same manner.

23 After killing frost cut back plants to about 10 or 12 inches above soil level. This will prevent their being whipped about and broken off by Winter winds, and make them easier to cover with soil for Winter.

24 Winter cover plants by hilling up with soil, and cover with leaves and manure. Spray with Bordeaux mixture in Nov. before covering. Place naphthalene flakes in hill at base of plant to kill blackspot.
The vase makes the bouquet

Prize-winners collect a variety of metal, glass, pottery and china containers for their arrangements

By PATRICIA KROH

From the collection of the author (a consistent winner at flower shows) these twenty-seven containers were selected to represent the types generally suitable. The texture, shape and height of container determines the kind of arrangement to make and the varieties of flowers to use.

The beauty of our flowers is best left in the garden if we are not willing to give thought and care in selecting the container in which to arrange them. The good old brown earth has a quality of color and texture that acts as a background for the vivid hues present in all plant life. We should, therefore, give real thought and study to the selection of the vase that must serve as well as the earth, and act as a foundation for our floral designs when we bring the flowers out of the garden and fit their beauty into our homes.

Every potential flower arranger beginning the study of the art of arranging flowers is confronted with the same problem: a lack of the proper flower receptacles.

It is not necessary to visit all the gift and antique shops in your neighborhood to find interesting flower containers. Sometimes the study of the art of arranging flowers awakens an appreciation for beauty of design in some old pieces of glass, pewter, brass, copper, or even china and pottery that have been stored away in the attic or tucked away in the top shelf of the cupboard. An old soup tureen, a water pitcher, an old spoon holder, celery dish or hairpin tray may serve as an inspiration for a flower picture of real merit. However, if you are not the fortunate possessor of some interesting or charming bits of bric-a-brac, and you must go out and start from the beginning to buy well-designed, inspiring flower containers before you feel equipped to produce prize-winning floral portraits, here are a few words of advice that will save you confusion and waste of time and money.

The first consideration is the design of the container. Simplicity of line is the thing to seek. A flower receptacle that has too many curves and flourishes draws attention from the beauty of the floral design. Containers that have painted flowers and pictures decorating them are better left as ornamental pieces of bric-a-brac. Only on rare occasions, and when arranged so that the picture on the vase is related to the whole composition, are they used well as flower containers. Avoid vases with too many handles. Baskets are included in this classification.

The narrow-neck type of vase that flares into a round sphere or oval is interesting to use. Very few flowers are required to fill the opening and the graceful line that the vase takes suggests reverse curves and beautiful crescent designs which can be made with flowers and foliage.

An oval dish is excellent for dinner table arrangements. The oblong shallow bowl is suitable, too, for flowers or arrangements of harvest fruits.

Modern arrangements as well as those done in the Japanese manner may be created in our American potteries in square and oblong block-shaped vases. Cornucopias designed in a variety of angles are fun to arrange. Some stand on end and some lie flat on their sides. Even seashells are used effectively for flower containers.

After studying the design of the vase, the second and third considerations are the texture and color. The metals—pewter, copper, lead, bronze, brass, aluminum, silver—may all be used for artistic floral arrangement if the finish is right and the texture considered for the (Continued on page 70)
Crackled pottery in Chinese green was selected for an arrangement of auratum lilies and pitcherplant made for World’s Fair 1940.

A pewter platter serves to give foundation for this grouping of mauve heather, gray eucalyptus foliage and a large rosette of echeveria.

Lemon yellow American pottery holds bronze leucothoe foliage with magenta chrysanthemums. All arrangements are by the author.

Modern crystal is filled with a grouping of peach-colored gladioli, Talisman roses and green magnolia leaves in this aspiring bouquet.
Azalea mollis

Hardy azaleas have been omitted from many plantings, as they are believed not hardy, but there are many that will withstand the same conditions as any other hardy flowering shrub.

Among the deciduous group, Azalea mollis, with salmon red blossoms; A. calendulacea, a brilliant display of scarlet orange; A. nudiflora, blossoming pinkish white; and A. pontica are all hardy.

In the evergreens, A. kaempferi, tall-growing with red flowers; A. macrantha, orange red blossoms; and A. amoena, with double purple bloom are hardy, providing they are given some sort of Winter protection.

Magnolia stellata

Magnolias belong to that group of fleshy-rooted, woody plants most successfully transplanted in Spring. At this time, at least one of these unsurpassed flowering trees should find their way into every well-planned garden.

Magnolia stellata is the first to bloom, unfolding silvery white, star-shaped blossoms even before the foliage appears. M. soulangeana is in May covered with pink white blossoms edged with purple. M. glaucum makes known its presence by opening fragrant pure white flowers the early part of June. M. stellata rosea is the dwarf pink sister of the white star magnolia. Blooms in April.

Viburnum carlesi

Fragrant shrubs should be planted with fragrance in mind, for they will add great distinction to the garden. Viburnum carlesi with its waxy white blossoms will scent the entire garden with gardenia in May.

The old-fashioned single lilacs; sweet shrub, Ceanothus floridus; mockorange, Philadelphus coronarius; and the swamp azalea, A. tisca, each has its own distinct perfume to offer all who approach.

Then of course, for a spot where low growth is required, Daphne cneorum, with its tiny clusters of lavender bloom, is always inoffensive.

Laburnum vossii

Laburnums are often-overlooked flowering trees. The beauty of their delicate, long racemes of wisteria-like, brilliant yellow flowers should earn them a spot of honor everywhere.

Any good soil in a sunny or part sunny location will meet their modest needs. Laburnum vossii is perhaps the one most often seen, but this does not detract from its trailing clusters of pea-shaped blossoms. L. vulgaris is a more vigorous grower, but the flower clusters are smaller in type than L. vossii. L. watereri is dwarf in habit and longer, more graceful racemes.

Taxus cuspidata

Evergreen hedges are the solution to gardener’s hedge problems. They do away with the worry of Winter-kill, demand a minimum amount of trimming and at the same time supply beauty the whole year round. Taxus cuspidata with its insidious dark green foliage that stays just as green all year; Carolina or Canadian hemlock which is a graceful and fast grower; and berberis, true-hedge columbemary that bears yellow flowers and purple fruit, are three which, if started correctly, can be grown without a great many pruning, insect, or Winter worries.

GARDENER’S CALENDAR
FOR MARCH

1. Assemble a “to do today” list, for this is one of the most important of all gardening months.
2. Start early on the lawn. Proper care now means fewer weeds and more green during hot weather.
3. Finish all dormant spraying. Dilute oil 1-15 for deciduous material; 1-25 for evergreen.
4. Spray fruit and deciduous trees with a contact and stomach poison as soon as new growth starts.
5. Cut to the ground any old shrubs which have become too woody. Feed and a new plant will grow.
6. Before new growth starts on climbing plants, re-pair and paint trellises and supports.
7. If soil is dry enough to fall apart when squeezed in the hand, spade deeply all unoccupied beds.
8. Fleshy-rooted woody plants such as magnolias transplant most successfully at this time.
9. Set out pancy plants. Water weekly with manure water and keep picked for steady bloom.
10. Clean up the rock garden. Apply a top dressing made up of 1/3 sand, soil and peat moss.
12. Snapdragons, verbenas, asters, petunias, pinks and salpiglossis should be started indoors.
14. Put the final touches on pruning. Keep in mind the general outline of the moment’s victim.
15. Thin out climbing roses to a few good canes that will supply ample bloom. Order plenty of labels.
16. Cut shrubs blossoming on hard wood after blooms have passed. Evergreens after new growth starts.
17. Seedling dahlias should be started indoors. Examine roses and take out those Winter-killed.
18. As soon as the frost is out of the ground plant carrots, beets, lettuce, radishes and parsnips.
19. Transplant seedlings as soon as true leaves appear. Be sure to use only sterilized soil, to save trouble.
20. Burlap screens and coverings can be removed from evergreens and boxwood. Do this on a cloudy day.
21. Weather permitting, plant seeds of annual larkspur, cornflowers and poppies in the open.
22. Weather permitting, plant seeds of annual larkspur, cornflowers and poppies in the open.
23. Loosen Winter coverings and start to remove gradually. Remove entirely only in sheltered spots.
24. Start dahlias in sand. Divide when 3” high with eye on tuber, reset and grow till time to plant.
25. Give delphiniums a top dressing of wood ashes and lime. Get your lawn mowers sharpened.
26. Dig in manure mulches placed around shrubs. Be careful of roots of lilacs and shallow rooters.
27. Start compost heap with removed mulching material. Dust with powder to hasten decomposition.
28. Repot house plants using 1/3 sand, soil and peat moss. Clean up the rock garden. Apply a top dressing made up of 1/3 sand, soil and peat moss.
29. Air cold frames and ventilate hotbeds regularly.
30. Bank soil around hybrid teas after planting to prevent drying before new growth starts.
31. Plan and prepare the spot for material ordered so there will be no delay in planting on arrival.
I MIND MASON'S BUSINESS

"Mary, what can I do about this house? I believe it's even hurting Jim's business... he never likes to bring people home anymore. If only he had your talent for decorating!"

"I don't believe it's taken so much... I just made a lucky discovery, Imperial Ensembles! Why don't you see them?"

"How wonderful! A different wallpaper for every room, but they all harmonize! And I never would have believed they could be so inexpensive!"

"And don't forget, it's Imperial... guaranteed washable and fast to light for lasting beauty."

"I just can't get over the change you've made in this place... it looks so smart and up-to-date! By the way, Smith and his wife will be in town next week and I'd like them to see our home... could we have them in for dinner?"

Imperial Ensembles...

NEW PATTERNS GROUPED FOR ROOM-TO-ROOM HARMONY

Imperial, always the leader in wall fashions, now gives you ensembles — each a group of patterns that harmonize delightfully in style and color. This harmony in the walls of adjoining rooms will give your home an immediate new look of spaciousness and orderly beauty because walls are so important. Like all Imperial papers, these ensembles are guaranteed washable and fast to light for lasting beauty and freshness, and identified in sample books by the famous silver label. They are offered in wide variety, many at prices lower than you'd ever think possible. Be sure to ask your decorator or paperhanger to show you Imperial Washable Wallpapers... for your walls, "that important 2 1/2" of your home! They deserve Imperial's loveliness.

Imperial Washable Wallpapers

HERE'S REAL HELP IN ROOM PLANNING—what to do with dormers, high ceilings, dark rooms, and other decorating hints —found in Jean McLain's fascinating book. (Send 10¢ to cover mailing cost.) Use coupon for her free individual advice on decorating. She will also send you samples and tell you where to buy Imperial Washable Wallpaper.

Address: JEAN McLAIN,
Dept. K-31, Imperial Paper and Color Corporation,
Glens Falls, N. Y.

Give this information for every room

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<tr>
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<tr>
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<td>Copyright 1941</td>
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Imperial Paper and Color Corporation
NEWS ABOUT SLEEP THAT WILL
OPEN YOUR EYES!

Two outstanding bedding improvements—part of Simmons' 70th Anniversary Celebration

EYE-OPENER #1

The great new Simmons
Deepsleep mattress

1. Deeper Coils! The deep and soft and durable Deepsleep now has 12% deeper coils! And deeper coils mean an even more comfortable . . . more gently yielding . . . softer mattress.

2. More Coils! The new Deepsleep has 312 coils—instead of 290! Simmons has spared nothing to add to your comfort in this great new mattress!

3. Greater comfort! The thick padding that cushions the new Deepsleep now contains 1/2 more pounds of cotton felt. No wonder it's more comfortable!

4. Spacially woven covers! Your choice of stronger fabrics in two lovely new color combinations. Fabrics that are 55% heavier by test—and longer-lasting, too.

Yet costs no more! It's true. Your dealer has the new Deepsleep with all these great new features, at the same old modest price of $29.50. Matching Deepsleep Box Springs at $29.50, also.

EYE-OPENER #2

At last! A coil spring with ball-bearing stabilizers

A GOOD MATTRESS deserves a good spring to support it. The famous Ace Coil Spring is now the first in America to have . . .

Ball-bearing Stabilizers—the latest achievement of Simmons' engineering laboratories! You know how so many beds shake like a bowl full of jelly when you lie on them? That's because the springs have no stabilizers. For the Ace, we've developed a new kind of stabilizer. One that not only puts an end to side-sway, but doesn't act as a brake on the natural spring action! Smooth and squeakless, this stabilizer operates on ball-bearing!

Platform Top! The usual "open coil" spring does not support a mattress evenly throughout. That's because portions of the mattress get forced through the center of these open coils. This causes distortion, reduces the life of the mattress. So Simmons developed the now-famous "Platform Top." This consists of steel bands over the coils . . . to give you and the mattress uniform, even support—longer!

99 "double-decked" coils! Most springs have fewer. So naturally, the Ace coils are smaller, finer, more sensitive. "Double-decked," too—that is, joined together in the middle for greater strength. Joined with tiny coils, not just straight pieces of wire. Greater "give"!

And only $19.75! Your dealer has this great new Ace. Greater value than ever before. Aluminum-finished. Get an Ace today!
PILGRIMAGE TO NATCHEZ

The tenth annual Garden Pilgrimage to Natchez on the Mississippi, where the old South still lives

AGAIN Garden Clubs invite and welcome those interested in old homes and gardens of ante-bellum days to attend the tenth annual Pilgrimage to Natchez, Mississippi, from March 2nd through the 23rd and March 22nd through April 6th. Here time will roll back, and Natchez, with its vivid masses of fragrant blossoms mingled with deep green avenues of old boxwood, will again become a city of romantic splendor. Here the entire town enters into the spirit of the Pilgrimage, to greet visitors, dressed in the costumes quaintly reminiscent of their ancient ancestors.

About four hundred years ago, De Soto, the Spanish explorer, led the first white men to the wooded Natchez bluffs, where they found the brown-skinned, sun-worshipping Natchez Indians—hospitable, cultivated, independent. The subsequent trend to colonize these bluffs was credited to the ideal mode of living as it was perfected and encouraged by French traders, and later under the English crown. Then, for a brief but flourishing period, the Natchez district was a province of Spain given to planting and commerce, attracting only the highest type of leaders and families.

The Golden Age

A few years before the cotton epoch, Natchez became a territory of the United States, and society was centered about the genial Southern planter with his fabulous wealth, culture and hospitable manners. During this time America’s Golden Age of gracious living was epitomized.

In Natchez, history and beauty are blended together in these famous old homes and estates. In all instances the interiors of the many homes as well as the grounds may be visited during the Pilgrimage. The interiors themselves are outstanding examples historically and architecturally and contain the finest collection of antique silver and paintings to be found in the Natchez country.

Historic pageant

After a day full of events, your evening entertainment will be the colorful Confederate Ball Pageant, which is climaxed by the coronation of a Queen. Capturing the imagination, this hall will truly take you back to the days of long ago. Too, the reverence with which the Natchez people take part has made the Confederate Ball Pageant as famous as the old homes and gardens.

To complete the Pilgrimage to all houses planned by the Pilgrimage Garden Club requires two full days. Ask your travel agent regarding all-expense tours to the Natchez Pilgrimage. If you drive, ask your motor club about the all-paved highways from all districts.

Ruins and relics of the past are not waiting for your visit, but rather a potpourri of fragrant gardens and stately homes. Here you will find history and romance in the gardens and homes under the elms of old Natchez.

A delightful greeting at “Stanton Hall”, built in 1851 by Frederick Stanton. This ante-bellum home is a replica of his ancestral home in Ireland.
By the makers of the Hammond Novachord, Hammond Solovox and Hammond Electric Clocks

HAMMOND ORGAN $1250 AND UP
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By the makers of the Hammond Novachord, Hammond Solovox and Hammond Electric Clocks

OLD TOOLS

Collections, like personalities, can be fascinating.
Here is one man's hobby—what is yours?

Carpentry served as a vocation for my great-grandfather. It is easy to understand why my late grandfather's shop, well stocked with tools of the same trade, appealed to me. There, as a youngster, I built many wooden articles. This building had been constructed of wide knotty pine boards set vertically around the frame and time-mellowed to a warm tan color. A stove-pipe hole near the peaked shingled roof had been covered with tin.

On the cross braces above lay various pieces of excess lumber from repair jobs. Long home-made benches extended along each side with the inevitable old wooden screw vise securely anchored near one end. Two large chests housed the array of tools in special trays and slots. The duplicate and special saws were carefully rubbered with suet to protect the blades from rust. The wooden saw clamp, mounted on long splayed legs for convenient height, resembled a gigantic spider. Nails, screws and hardware were deposited in a divided cabinet of many shelves. Ladders reposed beneath one bench, with the exception of two stepladders placed near the braced double doors. Four multi-paned windows were locked with rusty catches and spider webs.

A slate deeply etched with horizontal lines and titled "ORDERS" hung on the front of the shop. Nestled in one tool chest were several slate pencils. As orders came, so came the scratches, grooves and lines on the bench surfaces. The floor below indicated wear from countless steps while my grandfather placed at the beach. I well remember the pile of curled shavings and sawdust with its peculiar clean smell of fresh-cut wood.

A recorded collection
Six years ago I began my search for the hand tools of the past. Since then nearly five hundred pieces have been gathered. The Collection consists of tools used by the carpenter, joiner, shipbuilder, cabinet-maker, lumberjack, cooper, and wheelwright. It soon became apparent that to portray so many industries of such varied form and usage a systematic record should be kept for each acquisition. This was accomplished by means of a card index with ten main classifications and assigned numbers. The following groupings were adopted: tools for moving, measuring, marking and testing; tools for driving; tools for sawing; tools for paring and filing; tools for chopping; tools for planing; tools for boring; tools for cramping, gripping and holding; tools for sharpening and grinding; and tools for beds, etc.

Merely to collect and catalog would eventually terminate this hobby. Constant research, coupled with imagination, has developed the information of the birthright that each tool enjoyed.

Many materials
In the early Stone Age men adapted sharp or blunt stones to fit their hands and thereby extended the usefulness of those hands. Many years later, successively, copper, bronze, and finally iron displaced the stones, so that men could better perform their tasks. From early Colonial times to the present, the blacksmiths diligently toiled to construct sturdy tools.

Each industry had its own peculiar tools, many of which were fashioned by clever artisans at bench or anvil. Some tools followed a general pattern from one generation to the next without changing form. The carpenter's brace, for example, although early crudely shaped iron or wood, later shows the same U form we know so well today. The gimlet also held its same design, while the cross-handed auger with its worm threaded points, was adopted; tools for sharpening and grinding; tools for cramping, gripping and holding; tools for sawing; tools for paring and filing; tools for chopping; tools for planing; tools for boring; tools for cramping; gripping and holding; tools for sharpening and grinding; and tools for beds, etc.

A homemade maple bevel carved with the date, "1854", and my great-grandfather's initials, "H. B.", would be entirely factory-made today, of metal and wood impressed with a trade mark. The row to split shingles, with its cumber-
 Forg a Hobby

Some club, has been rarely used since the invention and widespread use of power saws. The broad-axe and adz of yesterday no longer hacks logs into square for rafters, studs and beams. No longer need the carpenter order his hand-wrought nails from the blacksmith at a few pennies each.

Old-fashioned uses

Few, indeed, would know today for what purpose a race knife served. Nor did I when I found this sharp-pointed and bladed tool in my grandfather's tool-chest. Yet fifty or more years ago he piled its edge to form the Roman numerals to designate the proper position of rafters. The farmer used a post-hole chisel to cut roots; the cooper, a croze to saw a narrow groove for barrel top insertion; the lumberjack, a raft auger to bore a hole in floating log rafts; the wheelwright, a travelers to measure the felloes for a tire; and the tanner, a spud to peel a log.

Before 1840, water-power motivated most of the up-and-down blades in the sawmills where logs were cut into lumber. It was not uncommon for lumber to be felled and then cut by a pit-saw. This saw measured about seven feet in length. One man stood in an open pit to pull down while another man from above guided and operated the pit-saw for the entire length of the log. By this tedious process, repeated several times, a log was saved into planks or boards. The carpenter later planed and smoothed them for his building material.

Mouldings for the entire house were formed by the use of moulding planes of various curvatures pushed by hand. Hardware was purchased from the blacksmiths who hammerd out each piece from their stock of iron or steel. Early houses depended much on mortice and tenon construction with hand-riven dowels securely to lock the joints. These men knew their jobs and did them well. So well, in fact, that many of the early houses still stand as historic landmarks as proof of their fine craftsmanship.

The machine age comes

Gradually but surely the machine age has encroached upon many of the hand-wrought industries. In some operations, power machinery has supplanted slower hand methods, while in others, the tools themselves have been "dressed up". The skill of the individual tool maker has become swallowed up in a rapid production of duplicated, perfected and streamlined-finished tools for each and every trade. Seldom today do we find modern tools that through a workman's ingenuity have been carved or wrought by hand to fill a given need.

This old-tool hobby of mine, therefore, attempts first to locate the tools of the past; second, to understand how and for what purposes they were used; and finally, through careful preservation, to display them for posterity, that their heritage from the past may be better visualized.

C. Carroll Palmer
A delicate and imaginative Strahan wallpaper. This is a new design and one of the best of the spring season.

Fine wallpaper is true economy ... an economy which is proven by your continual satisfaction with the design and quality. Strahan's high standards of design and workmanship are the result of a fifty-five-year-old "tradition of excellence" in wallpaper manufacture.

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CALIFORNIA PRIZE TABLES
The winners in the HOUSE & GARDEN table-setting contest at Gump's in San Francisco

CALIFORNIA has evolved a style all its own—in table setting as in decoration. And on this page we show two of the gayest and most characteristic types. From the thirty tables in Gump's annual table-setting display, these were selected by popular ballot especially to appear in this issue of HOUSE & GARDEN. Both offer fresh ideas you might try at home.

Mirror and modern crystal (immediately below) with waterlilies in an ingenious sunken pool distinguish the tropical table which won first prize. Bright linens and native pottery, burnished woods and ruddy fruits decorate its nearest rival.

Real goldfish and lavender waterlilies float in a shallow pool almost four feet long sunk in the mirrored table. Crisp white linen mats appliquéd with organdy fish are lined with cool sea-green. Steuben glasses echo the clear crystal of the plates. And the silver is Frank W. Smith's graceful "Martha Washington" pattern in sterling. Effects crisp and charming

A wooden salad bar for a centerpiece holds all the mixings for tossed greens and dressings to your individual taste. Gay maroon pottery plates in Vernon Kilns' "Hawaiian Flowers" pattern echo doubleton napkins, harmonize with the cloth hand-blocked in browns and blues. Silver, Watson's simple "Lotus" pattern in sterling
STRAWBERRY PATCH

Accessories for closet and powder table to match the washable chintz bedroom on page 40

Strawberries and cream. Gay with painted berries, white as Devonshire cream, a three-piece dresser set and make-up box to brighten up your dressing table—and, incidentally, your private life as well.

Soap to stocking boxes. Luscious hothouse berries molded in soap, grand for the guest bath or your own. And bureau boxes to match, in Cyrus Clark's berry-bright Everglaze chintz, green trim.

Hang your hat on a clear plastic cylinder, merrily emblazoned with—guess what. They're on the chintz hangers, too. Like a splash of sunshine for that dark little closet under the stairs, or in your own.

Strawberry stowaways. Chintz boxes, cedar-lined, sturdy for blankets, transparent for bonnets—to make storage a pleasure. All to harmonize with the bedroom on page 40, all from Lord & Taylor.

Dunbar's New World Group is both beautifully made and adaptable to the needs of today's Moderns. The desk in the living room contains two file drawers in addition to regular drawer space. The "Mr. and Mrs." chest in the bedroom, large enough for the apparel formerly contained in the ordinary chest and dresser, might be used equally well in a living or dining room. The doors of the sideboard in the dining room below are constructed to hold glassware, and ample linen space is provided for in pull-out trays in the center section.

The New World Group also includes drawer, door and bookcase units in many widths and heights, allowing for great variety of arrangement to fit almost any Modern interior.

Dunbar pieces may be purchased through your furniture dealer or decorator.
The form and character of a fine chair is the most difficult thing for the cabinetmaker to reproduce. A masterpiece such as the "Berkeley" is possible only with the most skilled craftsmanship. It exemplifies the careful adherence to the "spirit" of the fine old pieces which characterizes all Baker Furniture.

Baker Furniture, Inc.
CABINET MAKERS
20 MILLING ROAD, HOLLAND, MICHIGAN


LOOKING AROUND

A brief guide to current events that are taking place in the House and Garden fields.

MODEL ROOMS

LORD & TAYLOR, 15th Street & 6th Avenue, New York City. Seven pictures—painted for the occasion by seven of America's most illustrious artists—are used by Mr. Pahlmann as the basic themes for a newly decorated room. You'll see wool fabrics used in curtains and upholstered pieces in a blend new way, and more of that exciting photographic finish for furniture called Dec-Nec, scheduled to open the second or third week in March.

B. ALTMAN, 34th Street & 9th Avenue, New York City. Five rooms, each a variation on Modern. Modern with Federal American, 18th Century French, Pompellion, Venetian and Chinese. Highlights: a pair of desk chairs in red music cloth with gold epaulettes, lamps mounted on old cannon-balls, walls of silver tea-box paper, and a pair of striking blue plaster grandeloues, open now through the third week in March.

R. H. MACY, 34th Street and Broadway, New York City. Forthcoming! Lots of fresh ideas, lots of fresher colors; moss green with lemon yellow, torrent rose against shell pink, black and terra cotta... trilby, bold combinations all. Look, too, at the exciting light modern woods and finish: bleached mahogany and oak, white lacquer and paddywood.

SHOPS

VELVILEE DICKINSON, 714 Madison Avenue, New York City. A wide selection of dishes, ranging from Queen Anne's reign up to 1941's. Lots are grouped of greens, blues and yellow, soup bowls in pewter, wax, papier-maché, coral, etc., etc. Singing bowls, dancing, dancing and walking, they come from many, many countries.

AMERICA HOUSE, 7 East 54th Street, New York City. Decorated in red, white and blue by Dorothy Draper and planned by Morris Lichtman, Jr., this shop houses an interesting display of merchandise. All of it made by members of the Handicraft Co-op, League of America. Novelty, serigraphy, lace, hoses, tweeds, homespun, and practically everything else that is hand made or fashion. Of particular interest, Lauritz Christian Eichner's oval bronze bowls, which glitter like pure gold.

KENNETH LYNCH & SON, 215 East 22nd Street, New York City. If you've been buying for Britain, or adding the Allies, you'll want to see Kenneth Lynch's collection of old English naval. Massive and manly, made of brass or tin, and nearly 100 years old. Also of interest, a lot of ex-natter used by the British sailors during World War 1.

MUSEUMS


METROPOLITAN MUSEUM OF ART, 5th Avenue at 82nd Street, New York City. Open daily 9-5, Sundays 1-6. Free. In Gallery C-48, you will see Renaissance at its finest and best. The recently acquired Intarisa Room from the Palace of Duke Federico da Montefeltro, Urbino, Italy, was opened on the 22nd of January. Next to this small walled-in study is a newly created chapel, in which are installed a series of Italian altar stalls of the high Renaissance. Grotesque and magnificent. In the Main Building, a loan exhibition of French paintings from David to Toulouse-Lautrec. 27 private owners in France and 22 European museums are among the contributors. Also an amusing and fine collection of French fashion prints dating from 1875-1910. Both exhibits open from February 6th to March 26th.

GARDENs

NEW YORK BOTANICAL GARDEN, East of 290th Street and Webster Avenue, New York City. Sunday, 10-4. Gardens, 8 to dusk. There are 1,000 illustrated lectures, free, fast-moving, and thrillingly every one. March 1, Forenoon. "The Garden March" 3. A Botanist Looks at Western Forests; March 25, Planets of the Bible, Three sclavolettes, but no early for a first-row seat. In the gardens under glass, sweet-scented stocks, blue forget-me-nots, orchid-like butterfly-flowers, and King Alfred daffodils. There are only a few of the Springtime favorites, but they'll all be there.

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The new spring collections of Katzenbach and Warren wallpapers are now available and your interior decorator will be happy to show them to you.

49 EAST 53rd STREET NEW YORK
DOES YOUR ROOM “BECOME” YOU?

Try it on before you choose—make it flatter you like the three rooms we planned for stars on page 30

ONE of the most exciting discoveries in the home furnishings field is that decoration can be as personal and becoming to you as your Easter bonnet, and that you can select it and even “try it on” in much the same way as you would a hat or a dress.

This is the engaging theory advanced by Alexander Smith & Sons Carpet Company, and they have obligingly turned it into fact with their Colorama Exhibit on view at Rockefeller Center, and at leading department stores throughout the country. And we ourselves have proved it again in planning the rooms on pages 30-31 to complement the color and personality of our three stars—Jane Pickens, Vera Zorina, and Ilka Chase.

The Colorama Exhibit keys around a magic talking mirror which reflects you at a fraction of your normal height and ingeniously transposes your reflection in turn into each of five miniature schemes each decorated for a different basic coloring. These are blonde, brunette, silver-gray, brown hair and Titian. Instantly the mirror, like the Magic Mirror in the Snow White legend, shows you which is the fairest of all as a background for you. And you can see for yourself what colors will do the most for you and select the correct scheme for your room.

In addition there is a display of miniature rooms, each keyed to the subtle nuances of a different color type. And in each a little figure represents the coloring and type of personality for whom the room was made.

Planned around the Alexander Smith Ten-Ten rug colors—light for one type; deep and rich for another—each room has been created around the particular color ranges which are best suited to its occupant.

In the living room for Jane Pickens: The rug, Alexander Smith’s figured broadloom “Saxony” in tones of rose. Wallpaper, Strahan pale blue Satin Stripe. Draperies and dressing table skirt, Waverley’s “Sister Prints” of Glo-sheen. Glass curtains, Bartmann & Bixer’s figured Kenwash marquissette. Music on piano, G. Schirmer Inc. Clock, candlesticks, miniatures on wall; Altman. Desk accessories, Alfred Orlik. The flowers were specially arranged by Irene Hayes.


Macy’s lacquer tray (placed on the coffee table) holds an antique French Empire chocolate set, converted here to tea; from Douglas Somerville as is the beige Wedgewood urn on the console. Teaspoons, Lunt’s “Directoire” sterling. Modern painting on wall, teacaddy cigarette box, Macy. Gold leaf shell wall sconce, Manor House. Shell bookends, ashtray, Alfred Orlik. Lamp, Lord & Taylor. Blue and gold urns on mantel, Frederick P. Victoria. Fire­place-grate and the fender are to be found at Edwin Jackson, Inc.

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DO YOUR BORDERS LACK

The proper selection of plant material will eliminate all non-blooming periods

SINCE there are so many hardy perennials available, no gardener should be forced to apologize for the condition of his border at any time during the Summer. Yet, we often hear the remark, "There is nothing blooming in my garden now, but it was beautiful last week." The proper selection of plant material will eliminate these non-blooming periods.

Now is the time to plan for continuous bloom in your garden next Summer. The accompanying chart shows you at a glance the available hardy material and indicates height, color and blooming period. If last August the foreground of your border stopped blooming, simply look for "August flowering, 1-2 ft." and select the color you desire. This chart is also useful in designing new borders and in planning definite color schemes such as a blue and white border, etc.

These plants are all hardy perennials. You can have immediate results this Summer by purchasing plants early this Spring. Some of these may be raised from seed, which should be started early enough to produce blooming plants for the following year.

JUNE—FLOWERING PERENNIALS

Blue—1 to 2 feet
Baptisia australis
Campanula persicifolia alba
Delphinium
Foxglove
Lupinus polyphyllus
Veronica spicata

Yellow—2 to 3 feet
Coreopsis Mayfield Giant
Iceland Poppy Golden Wonder
Rudbeckia neumanni
Trollius ledebourii Golden Queen

Yellow—3 to 4 feet
Astilbe
Campanula persicifolia alba
Clematis recta
Thermopsis carolinianum

White—1 to 2 feet
Achillea The Pearl
Campanula
Delphinium chinensis
Evening primrose
Heuchera
Iceland Poppy
Linum perenne
Matricaria Little Gem
Pentstemon digitalis

When

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FOR YOUR HEALTH AND COMFORT
### Flowers in Summer?

<table>
<thead>
<tr>
<th>Flower Type</th>
<th>Color</th>
<th>Height</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dicentra spectabilis</td>
<td>Pink</td>
<td>1 to 2 feet</td>
</tr>
<tr>
<td>Heuchera</td>
<td>Pink</td>
<td>3 to 4 feet</td>
</tr>
<tr>
<td>Delphinium</td>
<td>Pink</td>
<td>3 to 4 feet</td>
</tr>
<tr>
<td>Phlox</td>
<td>Red</td>
<td>1 to 2 feet</td>
</tr>
<tr>
<td>Scabiosa</td>
<td>White</td>
<td>3 to 4 feet</td>
</tr>
<tr>
<td>Valeriana</td>
<td>Red</td>
<td>3 to 4 feet</td>
</tr>
</tbody>
</table>

*White—3 to 4 feet
Delphinium
Foxglove
Lupinus polyphyllus
Valeriana officinalis

*Pink—1 to 2 feet
Armeria Tall Hybrids
Centaurea dealiata
Columbine
Dianthus spectabilis
Heuchera
Iceland poppy
Pyrethrum
Saponaria ocymoides

*Pink—2 to 3 feet
Agrostemma coronaria
Aster Gloria
Dicentra fraxinella

*Pink—3 to 4 feet
Foxglove
Lupinus polyphyllus

*Red—1 to 2 feet
Armeria Tall Hybrids
Columbine
Gaillardia

*Red—3 to 4 feet
Lupinus polyphyllus
Valeriana officinalis rubra

*Yellow—1 to 2 feet
Anthemis tinctoria
Evening primrose
Gaillardia Mrs. Sherbrook
Gaillardia Sun God
Geum Lady Stratheden
Iceland poppy
Matricaria Golden Ball

*Yellow—2 to 3 feet
Coreopsis Mayfield Giant
Pyrethrum
Rudbeckia neumanni
Trollius ledebouri, Golden Queen

*Yellow—3 to 4 feet
Heliosperma scabra zinnaeflora

*White—1 to 2 feet
Achillea ptarmica
Delphinium chinensis

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*Continued on page 67*
If you want further information about any of the hotels or resorts listed in these columns, write to House & Garden's Travelog, 420 Lexington Ave., N. Y. C.

Menu for March

When Jacob Wall, an Arizona gold miner, died suddenly in 1892, he started a legend around Phoenix, and would-be prospectors have been searching for his fabulous store-house ever since. For the last seven years, the hunt has taken the form of an annual outing, "The Trek to Superstition Mountain," sponsored by the Phoenix Dons Club and open to everyone. This year, on March 9, over five hundred hikers will join the party through the mountains, and return to base camp for a chuckwagon dinner and bonfire. Cowboys, Indians, and Spanish dancers will provide the colorful "local talent," and fireworks will finish off the day—that is if someone doesn't find the mine first!

As steeped in tradition is the aristocratic yachting classic at St. Petersburg, Florida, on March 1. The country's fastest racing schooners, cutters, sloops, and yaws will compete for the twelfth year over the two hundred eighty-four nautical-mile course to Havana. The vision of these proud sea-birds taking off is worth traveling many miles to see.

An already picturesque city, New Orleans, Louisiana, will garland itself for its "Spring Fiesta" from March 16 to 23. Homes will be opened, and special French quarter tours are planned, to exhibit beautiful private gardens at the height of their blooming. Symphony programs, operas, special art exhibits, barbecues, street dances, and showboat parties are all part of this week's celebration of the coming of Spring.

Teeming-off Topics

Early-bird golfers are finding opportunities over the country for their first shots. Top-notch professionals will be gathering at the Three Toms Inn around February 21, 22 and 23 for the P.G.A. Tournament at Thomaville, Georgia . . . St. Augustine, Florida, provides the greens for the Florida West Coast Women's Championship from March 4 to 8, and for the Seventh Annual National Amateur-Professional Best Ball Match Play Championship, from March 12 to 16. If you would like to know what golf courses are open and ready for play, or if you have any other questions on vacation spots, write to House & Garden Hotel Information Service, 420 Lexington Avenue, New York City.
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We invite you to ask about other services from New York and New Orleans, and for colorful cruise folders. Write any Authorized Travel Agent, or UNITED FRUIT COMPANY, Pier 3 N. R., or 632 Fifth Avenue, New York. Also offices in Boston, Philadelphia, Washington, D. C., Chicago, New Orleans.

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"June Platt Visits Hawaii"

(Continued from page 28)

by total strangers welcoming us with lei after lei of flowery welcome. Then we were whisked through the streets of Honolulu, through the Civic Center, past the palace of King Kamehameha, the conqueror, missed entirely the Honolulu Academy of Fine Arts building, so busy were we asking questions, felt vaguely conscious and maybe disappointed that it wasn't at the way we thought it would be (no grass sharks, no tigers prowling round about) and before we knew it we had been introduced to monstrous strangers, had quaffed an enormous glass of heavenly pineapple juice offered to us by beautiful native Hawaiian girl in lobby of the Royal Hawaiian Hotel, and we ushered into our modest suite of two enormous rooms and baths, divided by a luan (porch in case you don't speak Hawaiian) hanked with the most amazing collection of floral gifts you've ever seen, sent by we knew not whom!

I left to our own devices until two o'clock, at which time several kind people had offered to come back and see what they could do for us. Feeling completely bewildered and even abandoned, we decided to go have a look at the famous Waikiki Beach. For five minutes we stood looking and feeling very much like, watching the sun-tanned bathers in the dazzling sun, when to our sudden delighted surprise we saw Madeline and her two golden-haired babies playing in the sand. We saw her and instantly everything was all right again. In no time Arthur appeared, and we all had a delicious lunch together on the terrace ending up with Chef Kina's much-talked-about coconut cake. Asking five million questions, we found out in no time who everybody was and what to do about everything, where to have our hair curled, and had accepted with alacrity an invitation to dine tomorrow.

March 8th. Poor notebook! Fifteen days have vanished. Here we are back on the Lurline, sailing for home again. We've thrown all of our lovely les except one orchid one overboard, in hopes that one of them at least will find its way back to Waikiki Beach, thereby assuring us of a return trip to these lovely, lovely islands.

What a mess I've made of your pretty pages! By now you must have guessed from the million and one notes I've made that we've been having a whirl, the loveliest, pleasantest, busiest whirl imaginable. We've seen a yellow-gray square inch of Oahu, including Punch Bowl, Diamond Head, Pearl Harbor, Koko Head, Fort Shafter, Schofield Barracks, and Rodgers' Airport. We've motored around the Island and over Nanua Pali, where we felt like a feather in a cyclone standing on the wind-swept spot where the warriors of Kamehameha the Great had posted troops of Oahu over the incredibly steep precipice during the conquest of 1795.

We've visited the Waialae Golf Club, the Yacht Club, and fallen in love with the Kailua Yacht Club. We paid a fleeting visit to the Old Mission House and the old Printing House in Honolulu and made an extensive tour of all the shops, longing to buy some lovely jewelery at Lanai and Grossman's, but the beautifully aesthetic Oriental treasures displayed with such lovely care by charming Mrs. Bowen at Gump's, and all sorts of other antiques at Mrs. Hayden's.

We've Oh!ed and Ah!ed about the blow holes and the clouds and the ocean and the mountains and the trees and the sunset and the sunshine. We've learned to expect the sweet sounds of Hawaiian music wherever we go. We are no longer startled by the sudden apparition of a file of lovely Hawaiian maidens in trailing holokus, crowned and wreathed in flowers, undulating gracefully by, singing 'Aloha Oe' as they go.

We have watched with such fascination their fluttering fingers depicting the drift of the rain and the rustle of the wind in the leaves, that we find ourselves, plain matter-of-fact souls that we really are, actually doing likewise when no one is looking, whispering the while, "The moon, the gentle breezes, the stars in the heavens!"

To go back to our activities, we've viewed from afar the Mormon Temple, and from near the Samoan Village. We were enchanted with Mr. and Mrs. Les- ter McCoy's beautiful orchid house, and loved seeing colored moving pictures of Mrs. Peterson's famous flower arrangements. We watched a dance rehearsal at the Kulamalu Studio, and sat transfixed by the last Queen of Hawaii.

We spent far too short a time looking about at the Academy of Arts, grateful for a fleeting glimpse of paintings by Picasso, Manet, Gauguin, Cezanne and Renoir. We didn't go surfing, nor did we shoot wild goats, nor did we go deep-sea fishing, but we did visit a huge sugar plantation, where we had the most intriguing lunch with Mr. and Mrs. Midkiff, and saw green striped bananas and coffee trees growing, and a macadamia nut tree in blossom.

We also had the most heavenly lunch at a Coconut Island, feeling like eagles perched on top of the world, and we would give anything in the world to know how the eggs in cream were cooked. We loved our visit to Coconut Island seeing the tropical fish and the ship models and the Lanai dripping with orchids. Speaking of coconuts, if we hadn't deliberately run away from everything and everybody we never would have had those two divine dishes of coconut ice cream at the Coconut Hut, and that would have been a calamity.

We've breakfasted, lunched, teaded, cocktailed and dined many places; and through the mirroring efforts of Mrs. Bowen of Gump's we finally went to a long-looking-for-friends Ann (native East Coast Miss) who flaunted the fact that her new pineapples grow and how they taste eaten right in the field where they grow, and I came away the proud possessor of four glass balls (fishermen's floats) found on the beach, a smooth round stone once used in some kind of primitive native game, and—treasure of treasures—a beautiful naval shell, the inspiration for the Hawaiian King's helmet.

Then we all flew to Hawaii, alighting

(Continued on page 67)
a minute or two at Maui, catching a bird's-eye view of Molokai. Spent a very amusing and comfortable night at the New Naniloa Hotel at Hilo. We were slightly frightened by the steam cracks near Kilauea, and definitely awed by the Volcano. Motored by way of Wai- mea Hotel, where we were deeply touched and pleased with the lovely pansy leis presented to us by Mr. and Mrs. Vredenburgh and the principal of the local school, leis made by the school children across the way.

We were then terribly impressed by the lava flows and overcome by the magnitude of Parker Ranch. We thoroughly enjoyed our all-too-brief stay at Kona Inn, where we timidly went bathing in the pool with all the Pacific at our disposal. Saw a school of whales spouting and frolicking bravely around in front of the hotel until an aeroplane chased them away. Then we visited Kailua Palace, the erstwhile Summer residence of Hawaiian Royalty, glanced into the first Christian Church, not overlooking the grass shack nearby.

Having feasted on Kona crabs and extracted a recipe for bran muffins from memory all these cherished experiences.

We've noted with great interest the many uses of bamboo both in houses and gardens, also the slat garages covered with vines, the herring-bone lattice on the Tennis Club, Again we liked the many uses of bamboo both in houses and gardens, also the slat garages covered with vines, the herring-bone lattice on the Tennis Club. Again we liked the many uses of bamboo both in houses and gardens, also the slat garages covered with vines, the herring-bone lattice on the Tennis Club.

While—2 to 3 feet

White—2 to 3 feet

Dictamnus fraxinella alba
Double Shasta daisy
Gypsophila paniculata
Hesperis matronalis
Platyco donn grandiflorum album
Phlox
Physostegia virginiana alba
Scabiosa caucasica alba
Thalictrum aquilegifolium album

Pink—1 to 2 feet

Achillea millefolium rosea
Armeria Tall Hybrids
Calluna vulgaris
Centauraea dealbata
Heuchera
Iceland poppy
Physostegia viri d

Pink—3 to 4 feet

Foxglove
Helenium
Lupinus polyphyllus
Monarda Saloon Queen
Pentstemon Pink Beauty
Physostegia virginiana

Red—1 to 2 feet

Armeria Tall Hybrids
Geum Mrs. Boesel
Geum Mrs. Bradshaw
Heuchera Pluie de Feu
Iceland poppy

Red—2 to 3 feet

Astilbe Granat
Phlox

Red—3 to 4 feet

Helenium
Lupinus polyphyllus
Pentstemon Barbatus Torreyi
Valeriana officinalis rubra

White—3 to 4 feet

Clematis recta
Clematis caerulea
Delphinium chinensis
Hosta caerulea
Lavandula
Platyco donn Blue Gem
Salvia pratensis atrovirens
Statice latifolia
Stokesia
Veronica incana
Veronica longifolia subsecissilis

Blue—1 to 2 feet

Aster frikartii
Aster King George
Centanurea montana
Clematis davidiana
Echinops ritro

Blue—2 to 3 feet

Physostegia virginiana alba
Scabiosa caucasica alba
Thalictrum aquilegifolium album

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TRILLIUMS
BRING SPRING
(Continued from page 25)
the entrancing loveliness of the picture.

Trillium catesbeyi album, an attractive white form that I happened upon recently, is a most lovely plant, indeed, and a fine addition to the shaded garden. Trillium catesbeiana flowers about April 30th.

The blossoms of Trillium cernuum droop and hide beneath the foliage so completely that one may come upon a whole cluster of plants in full bloom and never see a flower! That happened to me years ago and as the foliage looked completely in the adult stage, I raised a leaf and was surprised to find a very pretty white bloom beneath it! The pink ovary in the heart of the flower added greatly to its appearance. Trillium cernuum bears handsome, very luxuriant deep green foliage. It blooms the last week in April.

A few roots of Trillium decumbens were sent me by a kind botanical friend some years ago. My planting of five or six is enough to make an attractive and typical little group. They do increase, slowly, when they are happy.

The fine deep red flowers of Trillium decumbens are so large as to seem to weigh so heavily that their stems lie prone and are unsuccessful in raising them from the ground. They make a very nice little cluster of leaves and flowers, and the unusual habit of this trillium makes it an interesting one to grow.

Trillium discolor is one which is admired for its handsome foliage. It has nice white flowers but they are not especially pretty; however the leaves are mottled in such a fashion as to make it a very worth while plant for the woodlands or garden.

Native, red and white

Trillium erectum is one of the commonest types and therefore one of the most plentiful, being native to a very large area. It is perhaps because of this fact that it has produced so many varieties. The flowers spread widely open in a most satisfactory way and show to great advantage. Trillium erectum, the type, bears deep crimson red flowers of an attractive shade and it is a beautiful plant, especially so when grown near the lovely Trillium grandiflorum. The contrast is a delightful one. Trillium erectum album, which grows plentifully in some sections, provides an other pleasing foil to the deep red form. Trillium erectum comes in pale yellow, also in a yellow whose flowers are attractively shaded with pink which gives a bi-colored effect.

There is a section in the mountains where a form occurs that bears flowers with extra broad petals. These very handsome blossoms are carried on unusually long stalks, which gives them a jaunty appearance. This particular form breaks into many color variations. I found it in red, white, a wonderful crushed raspberry, peach, pink, and in white with an edge of hellebore. These are of outstanding beauty and have been greatly admired.

The blooming period of Trillium erectum is a few days after T. grandiflorum, about April 22nd, so they overlap nicely and make a beautiful contrast.

Trillium grandiflorum is, of course, considered the queen of the tribe, and rightly, too. Truly this plant exhibits the most exquisite purity in its lovely white blossom, perfect proportion, and faultless grace of poise and carriage. The flowers turn pink with age. Its blooming period is about April 20th.

Trillium grandiflorum ft. pl. is a worthy sport. It is fully double to the very center and very much resembles a camellia blossom. All who have seen this double form have pronounced it one of the most beautiful of all flowers. It is just as vigorous as the type. Another form of Trillium grandiflorum has green striped blossoms and is rather a freak.

A giant form
Trillium hageri is a plant of large proportions, a sort of giant in this branch of the family, bearing red flowers that stand upright from the center of its bold dark green foliage. A few plants make a striking group in a shady rock garden.

Trillium lanceolatum is, I am told, a very rare plant and one which has been seen by few people. Quite by accident, while searching for other things, in the far South, I stumbled on a good-sized colony.

It has little to recommend it except rarity, being a smallish plant with rather narrow leaves in several dull shades of green, and its inconspicuous flowers are greenish-yellow and reddish-green. It is not very hardy and a late frost will sometimes nip it a bit. If my little group of three never increases I shall not mind.

The brownish-red and greenish-tan flowers of Trillium ludovicianum are curious rather than beautiful, but they are attractive, and the large bold foliage is remarkably and strikingly marked in more contrasting shades of green than in any other trillium I have ever seen. It is an exceedingly handsome plant and a fine ornament to any collection. It flowers about the 15th to 20th of April.

This one, too, I stumbled on by chance in the far South. It has wintered for several years at Gladwyne but should undoubtedly grow in a sheltered situation. Perhaps it would be wise to raise a few leaves over the ground where it is growing.

Trillium luteum is a well worth while plant with yellow flowers and excellent variegated foliage. I have a dwarf-growing form of this and a tall-growing form. I rather prefer the dwarf grower, for although the flowers are greenish-yellow and not very showy, the foliage by its great beauty makes up for this deficiency. The flowers of the tall-growing form are the better of the two. They come from different localities and flower about mid-April.

Trillium maculatum (formerly Trilli­
um undulatum) is undoubtedly the queen of the variegated leaf section. In fact it is the peer of any variegated leaf plant I ever saw anywhere and the leaves, mottled irregularly a deep green on a silvery background, have much of the wonderful iridescent beauty of some of that lovely tribe of tender terrestrial orchids, the Anoectochilus from India.

(Continued on page 69)
TRILLIUMS
BRING SPRING

(Continued from page 68)

Usually it is a rather dwarf grower. If it never had a flower it would still be a most enchanting plant. But it does bear flowers and very attractive ones too. They are upright and fairly large. Some are a soft golden yellow and some a fine deep crimson, and there are many intermediate bronze shades. It is therefore quite necessary to select only the clear yellows and crimson reds to get the very best effect. A little mixed planting of these two colored forms makes a thoroughly delightful covering to a small spot of ground on a wooded hillside.

It is best to plant this trillium where it gets thorough drainage. Although it appreciates a moist Spring, it seems to like a drying out in Summer. But it is an excellent grower and self-sows freely.

Trillium maculatum is one of the earliest to flower and blooms about April 12th. The showy leaves, however, appear long before this, in March, and even hard freezes do not seem to daunt this delightful gem.

Trillium nodale is a small and dainty plant that should be in every collection as it takes but little room. It is not showy but it bears very pretty little white flowers.

A species from the Pacific coast, Trillium oculatum is an absolute necessity to a trillium garden. With me it comes about three weeks ahead of Trillium grandiflorum, and so is a most valuable acquisition. It is a well-proportioned plant and its large, handsome flowers are pure white when newly opened. They last for several weeks on the plant and turn wine red before they fall. Trillium oculatum f1. pi. only came to me recently. It is said to be very fine but as yet my plant has not bloomed.

Trillium parviflorum has white flowers of medium size. It is not especially distinctive, but any one who likes trilliums would want this one, too.

Trillium recurvatum, a newcomer on my hillside, bears deep red flowers, and should bloom this Spring at Gladwyne.

Early to bloom

Trillium rivale is the earliest of all these trilliums to bloom, and usually opens its flowers about March 25th. It has been here for years and is a perfect little gem. The tiny plant is only a few inches high but the flowers are large for the size of the plant. They are white and dotted all over with pale pink. Altogether it is a most desirable little plant. Such small plants as Trillium rivale, however hardy they may be, should be planted in a choice spot where they can be watched so that larger plants will not stifle them.

Trillium sessile, "Purdy's best", a California trillium, is a striking and handsome plant, being a large and vigorous type with upright fair-haired ivory white blossoms and deep green foliage which has markings of another shade of green. Trillium sessile var. aestivalis, the Eastern form, is an entirely different plant from the Western one. It does not seem possible that they can both be called by the same name much longer.

Trillium simile has been introduced to the trade rather recently. It is a fine plant and produces large-sized white flowers above its deep green leaves. In moist rich soil it attains an immense size and self-sows liberally. It usually blooms about April 22nd to 25th.

A few plants of Trillium stamineum were sent to me some years ago. It is a low-growing with ornamental variegated foliage and neat red flowers that stand upright above the pretty white petals. It is, and is a very nice little trillium that is well worth while and does not occupy much space.

Painted trillium

Trillium undulatum often goes under the name of Trillium erythocarpum and is popularly named the painted trillium. No matter what it is called, everyone who knows it agrees that it is one of the most beautiful of all the tribe. In the cool peat or leaf-soil of its favorite haunts it is a strong grower and bears large conspicuous flowers. These are white and each of the three petals is marked with a vivid crimson mark. The leaves and stem are a deep bronze or purplish green. I have several plants with four-petalled flowers and five-petalled flowers and with a similar number of leaves per plant. For some reasons these are not rare in certain localities. They are less beautiful than the type.

Trillium versatum, although for alphabetical reasons it comes at the very end of the list, is to my way of thinking the very noblest of them all.

A plant of large proportions in leaf and flower, it seems to grow and grow, and then when all the other trilliums have done their best, this one comes along about the first week in May and outshines them all. Great velvety broad-petalled deep crimson red flowers, drooping somewhat, emerge from the fat buds so late in the season that sometimes I wonder if they are going to open at all, and each time they emerge they look handsomer than ever before.

Trillium versatum f1. pl. A correspondent sent me a superb double flowering form of this handsome trillium. It is one of my most prized plants. The plant labelled Trillium versatum album was sent to me recently. As this has not yet flowered I shall wait until it does before pronouncing it white.

There are a few other trilliums here but so far they are unidentified. Botanical friends sent me some of the foregoing, others were purchased. Several of my plant collecting trips to the Southeastern States have been undertaken for trilliums. On these occasions I found the beautiful color forms of Trillium erectum and Trillium maculatum. One auspicious day I discovered the lovely white form of Trillium catesbaei, also Trillium haggeri. Other times I found Trillium cernuum, Trillium lanceolatum, Trillium ludovicianum, several forms or affinities of Trillium sessile, Trillium versatum, etc., etc. Some even new to cultivation.

I am an ardent believer in strict conservation of our native flora. Usually I took but two or three specimens and only where very abundant did I take a half a dozen or so. Consequently, it is my belief that these plants are better left undisturbed and all of them are plants that should be given a chance to develop into a choice plant. They will surely repay the trouble and are, without question, some of the most beautiful and interesting of all the American wildflowers.
THE VALE MAKES THE BOUQUET

(Continued from page 50)

type of plant material that has been selected.

There is much variety of texture in copper. The lovely hand-hammered sil­
er, washed Syrian or Egyptian copper may suggest an arrangement of bronze­
colored narcissus, zinnias or marigolds. The smooth, classical, dark copper of­
the Orient may call for auratum ilium, purple anemone, or peach-colored­
shells. Bright, shiny copper vases of modern design will complement the bea­
uty of nasturtiums, salpiglossis, eup­
horbia, tritoma, snapdragons, or rust and gold colored roses. Hand-wrought­
copper that has been permitted to ox­
idize looks best when arranged with­
wood leaves, heather brown leaves,­
shum cabbages, white lilacs.

Colors for pewter

The textures in pewter are not quite as varied as copper. Pewter retains its­
original gray-silver color even though­
it may become dull with age. It usu­
ally has a smooth surface, except for a few­
irregularities in the hand-wrought pieces. The selection of plant material or­
of flowers to be arranged in pewter will be influenced by the color and design­
the metal receptacle rather than the varie­
ties of texture it is to be found in.

Dull gray pewter provides a fine foil for the analogous shades and tints of­
lavender, deep purple, gray blue and­
rose flowers. Delphinium, all the blue­
campanulas, veronicas, spires, bud­
delia, lilacs, heather, ageratum, pe­
tunias, iris or violas in combination with­
soft rose-colored tulips, peonies, snap­
dragons, stocks, sweet peas, chrys­
themums, dahlias, camellias, roses,­
goldfish or phlox are beautiful in pew­
ter. Lemon yellow ranunculus, showers­
of golden acacia with purple violas ar­
ranged in pewter present a breath tak­
ing picture.

Old pewter pitchers, and tea pots,­
plates, tankards, candle moulds as well as­
modern and Oriental-designed re­
cipients of this metal may not seem­
ortho!ox flower containers, but they­
often serve as a real inspiration.

Choose simple silver

Vases of silver make good flower re­
cipients if they are well designed. So­
often silver vases are heavily etched­
and embossed with an elaborate pat­
tern and are too ornate and shiny. Do­
not arrange flowers in this type of con­
tainer and expert to receive the blue­
ribbon at the flower show. A silver­
flower receptacle should be selected with the same care and consideration­
used in selecting glasses or porcelain.­
The shape of the vase and the finish of­
it should influence your selection.

Bronze is another fine medium for­
flower arrangement containers. The­
color and texture of bronze is so like­
the earth from which we take our plant­
material that it acts as a perfect foun­
dation for flowers of almost any color,­
texture and design.

Brass may be used with very pleas­
ing results when its gold color is a­
part of the composition. One of the­
most interesting brass shapes I know of­
is the old-fashioned mortar that our­
grandmothers used to compound their­
picture in. Like silver and shiny copper,­

THE OLD RED HOT POKER Has New Jogs

NEW TRITOMAS

THE old red hot poker has gone to col­lege and put on new gay colored at­
tires in yellows, pinks, orange and­
white. They have a new grace making­
them fine for cutting. They have a­
wide range of colors contains such­
as, Pale Moon, Lav­
ender Lady, Pink Lustre, Goldfin, etc.­
One of each variety­
carefully packed and­
separately labeled.­
Your's chance to have a group of­
the finest of mums,­
the finest of mums,­
a reasonable price.

Collection of 12 plants­
for $3.75.

NEW PHLOX

ATLANTA

A grand white phlox merging into a beau­
tiful light blue, with eyes of a deeper lav­
erender blue. Bloom heads of immense­
size. Stems 2½ to 3 feet.

Has great vigor. Everyone who has­
seen it growing in our testing grounds has­
quoted it to the skies. And it abund­
antly deserves it.

1 for $1.50,
12 for $4.50.
100 for $30.

NEW VIOLA

Its name is Maggie Matt, and a little­
maiden she is, in her pale blue flowerings.

Stems stiff. Blooms well above foliage­
keep coming entire season. In 2 years­
grows into clumps 18 to 24 inches. Stands­
hard winters. Does well in light shade.­
Charming for niches or rock garden.

1 for $1.50,
12 for $4.50.
100 for $30.

Wayside Gardens,

AMERICAN AGENTS FOR

Luhon's Seeds

30 Mentor Ave. Mentor, Ohio
GARDENS WITHOUT SUMMER

(Continued from page 39)

bewitching color combination of blues and pinks.

Virginia bluebells, Mertensia virginica, send up clusters of tiny florets which are pink in bud, but a soft porcelain blue on opening. Perennial cornflowers, Centaurea montana, send themselves all over the place and bloom in shade or sun. From clusters of coarse green leaves large two-inch spidery blossoms open, which are a deep dark ocean-in-October blue.

The painted daisies

What is more enticing than a field of wild daisies brilliant in the sunlight and blowing in the breeze? If the proportions of your garden prohibit such adventure, don't be dismayed! Equally gay are painted daisies, picrothum, which will fill your border with enchantment in all weathers. They are a good strong pink with gold centers, and some have tufted petals round the middle. Last, which perhaps loveliest is bleeding heart, a|ili|«.rai- each day. Some mi|zlil crilii i/..'

If you have ever seen columbine (aquilegia) which is the same height, growing wild in the woods, clinging to rocky ledges with its blossoms coral against the gray stone, new moss, and rich black earth about, you'll want blue, white, lavender, rose, coral, and w hi^h is one very good reason for growing pinks and blues and is called spurs at all. The last, which resembles the middle of September to the mid­

the dirt roads on Cape Cod.

Burning caterpillar nests from the chokecherry trees in the Spring duck will be immeasurably more delightful if you have white Oriental poppies nearby in the garden. Their large, tis­

effect is lost. So I'm not disappointed when in the Natural History Mu­

Growing wild in the woods, clinging

loveliest is bleeding heart, growing on graceful arching sprays.

The majestic spires of foxglove blossoms lend dignity to the back of the gar­

den. Cup-like flowers with a sprinkling of peppery markings open successively on tall flower spikes. Their regular colors are lavender, pink, red and white, and there is a yellow that is quite lovely.

From early Spring till you take off for the Summer you will have masses of flowers in your garden if you grow some or all of these. Then, again, if you plan ahead your Fall will be just as merry and full of blooms.

Autumn beauty

The middle of September to the mid­

First about the new varieties

Any new rose we offer, you can depend on being honest-to-good­ness, and merit proven.

When you home you will be amazed at the beauty the growth everywhere. First of all, you will have to prune your way out of the enshrou­

irregular size

Once I saw tulips with blossoms big as grapefruit standing in tall vases among the Indian wigwams and feathered chieftains in the Natural History Mu­

irregular size

Every one is faithful.

When you have seen color cuts of roses, have there been times when you were a bit skeptical of their being true? No need to have such doubts about any color illustrations in Wayside's catalog. Every one is faithful. Every one is made from a direct color photo, true to life in every way. You can depend on them.

Have you sometimes been a bit confused in looking through a catalog to make selec­

New 198 Page Hand Book

When it comes to the so-called old roses, many of which deserve a place in every garden, we have all the time-tested worthwhile ones.

Are you sort of fed up on buying much flaunted new roses, only to find them without real merit, or quite like some you already have?

Or are you discouraged, because so many of yours have been winter killed? Wayside can help you on both counts.

New 198 Page Hand Book

You'll find our de­

When we honestly feel certain roses, after our testing them, are exceptional in merit, we pass along to you our findings.

There may be catalogs that have more roses listed. But none have a finer collection of those, every one of which is a top hole performer in your garden.

Send for the Hand Book. But be sure to enclose 25 cents—stamps or coin—to cover handling and carrying costs.

PINK ROSE STERLING

It's the Hubbard gold metal win­

PERPETUAL BLOOMING

MABELLE STEARNS

GIAN T RED THOR


Giant rose

$2.50 each. 12 for $25.

THE NEWEST-NEW

AND THE FINEST OLD

Roses

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Send for the Hand Book. But be sure to enclose 25 cents—stamps or coin—to cover handling and carrying costs.
For $198.
You Can Have
This English Orlyt Greenhouse
Other Sizes and Prices from $89. to $379.
Prices do not apply in Canada

This $198, one is 13 ft. wide and 10 ft. 6 in. long. Made up of 2½ ft. sections which are easily assembled by bolts and screws. Any handy man can put it up. Easy to take down for moving about grounds or from rented property. No putty glazing. No cutting of glass. All material ready for assembling. Available with ample side and roof ventilation for the warmest of weather. Can be put up with or without a foundation. Heated easily and inexpensively. Can be equipped with Automatic Ventilation and for Soil-less Culture. Guaranteed for one year against damage by wind or hail storms. Can make prompt delivery. Sold for Cash or on Convenient Terms. Send for catalog H.O.

See Our Popular Priced Greenhouses
At The New York, Boston and Philadelphia Flower Shows
Lord & Burnham Company
IRVINGTON, N. Y. DES PLAINES, ILL. TORONTO, CANADA

50,000 persons saw
Mrs. Pierre S. DuPont III
for the first time last fall

They came to Bristol, Connecticut, by the thousands, from all the Eastern States. They saw the famed Bristol Korean Hybrid Chrysanthemums in all their majestic glory. They saw, for the first time, Mrs. Pierre S. DuPont III, a startling Bristol creation that will be even more sensationaly popular than Lavender Lady, that great Bristol star mum of last year. Its dominant shade is a soft pcadi, tinted with lavender. It is called Agnes Clark is orange-apricot, Apollo bronze red, and Saladin Oriental red. The cushion chrysanthemums are ideal for the front of the border. They come single and double in shades of pink and red, and many are fragrant.

The choke cherry, which harbored the Japanese beetles couldn't dine on their petals during the Summer because they are ready, you can arrange them into interesting bouquets inside, or sprays outside your front door. The individual flowers of monkshood suggest the cowls of medieval monks, but, unlike the solemn religious gentlemen's costumes, the blossoms are an intense purple. There are many names for your Fall garden: Aconitiurn fischeri, two to three feet and a gorgeous deep blue; Aconitum aconitoides, three to four feet and a dark blue; and Aconitiurn wilsonii, six to seven feet, mauve.

I do not like the red salvia which grows around railroad stations, but there is a blue salvia which is marvelous. Even its foliage is different from the red variety. It is called Salvia pitcheri. Being away all Summer, our plants seldom get staked, and, incidentally, all those mentioned here will grow quite happily without. The salvia will do especially charming things—things of which a fussy and too neat gardener might not approve! For it lies down and grows all over the ground, and then sends branches of its deep blue flowers up through the middle of a neighboring plant, perhaps one with a red flower or an apricot blossom—for it always shows a good sense of color! Aconitum fischeri, four feet and a dark blue; and Aconitum aconitoides, two to three feet and a gorgeous deep blue. The flowers of Salvia pitcheri are tiny and the sprays that produce them twisted and ragged, which makes for casual and informal bouquets.

Late loveliness
Once in late November I picked eight hybrid tea roses. They were in bud but soon unfolded and were beautiful for days—and fragrant. We had trimmed the bushes 'way back just before we went away and fertilized them. The Japanese beetles couldn't get on their petals during the Summer because there weren't any! Then when we came home in September, the plants were full of flowers and continued and gave us joy until December.

If you do not feel drastic enough to remove all Summer-blooming plants at once from your border, do so a few at a time. When you start getting intimate with some of this Spring and Summer material, your enthusiasm will know no bounds. Of course, if you should be making a new garden and know as you start that you're likely to be vacationing during the warm weather, you can arrange it in the first place with all this in mind.

BRISTOL NURSERIES, INC.
Dept. HG, Bristol, Connecticut

GARDENS WITHOUT SUMMER
(Continued from page 71)

Other things for the Fall garden include Anemone japonica in shades of pink and white with dusty gold centers. In the fields the Autumn sunlight glows on the goldenrod, and in the woods it turns the coppery oak leaves red. Brilliant with similar reds and golds are the blossoms of perennial gailardia. This flower has a large cushion middle and red and yellow petals. Veronica subbutea sfripennis multiplies rapidly, likes some shade, is a gorgeous blue, and, though it starts earlier, it will bloom all through September.

A plant with appealing violet-blue flowers or white ones is perennial ageratum or eupatorium. It increases rapidly by means of underground runners. Where you have three plants one year, you will have a solid mass of flowers in two years. Don't hesitate to be rough and thin them drastically, else the blossoms get small and skimpy. The Stokes aster, Stokesia laevis, has double violet flowers on eighteen-inch stems and is becoming to all the tawny chrysanthemums.

The Japanese warriors of old went off to battle each wearing a golden chrysanthemum blossom as a badge of courage. The terraces of Winter will never seem quite to descend upon you as long as there are a few of these blossoms about—colorful and gay against the chilly dullness of cold November days.

Chrysanthemum types
Some chrysanthemums can be grown like a vine trailing down over stone walls; some are tall, others short; and once you see the spoon-shaped ones, you will want to own some. There are blooms in every color but blue. Chrysanthemums start flowering in September and continue until almost December—you may even be picking them in the first snowfalls—wé this year. The Korean hybrids are superb. Some have single apricot flowers with gold centers. Others are double with a liss-trous sheen, and there are deep wine colors you can bring to your garden if you plant Michaelmas daisies. Of special Interest to those mentioned here will grow quite

The individual flowers of monkshood suggest the cowls of medieval monks, but, unlike the solemn religious gentlemen's costumes, the blossoms are an intense purple. There are many names for your Fall garden: Aconitum fischeri, two to three feet and a gorgeous deep blue; Aconitum aconitoides, three to four feet and a dark blue; and Aconitum wilsonii, six to seven feet, mauve.

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BRISTOL NURSERIES, INC.
Dept. HG, Bristol, Connecticut
Un Saludo a las Americas!

When you visit the
28th INTERNATIONAL
Flower Show
March 17-22
Grand Central Palace, New York

Note the many features, including:
- Pan-American gardens
- New landscaping ideas
- Soil-less plant culture
- Community gardens
- Outdoor living rooms
- Quaint breakfast nooks
- Terrace plantings
- Penthouse plantings
- Children's gardens
- Glorified gas stations
- Window arrangements
- Modern wall niches
- Table decorations
- Collectors' corner
- Novel terraria
- Perennial borders
- Bulb planting
- Rock garden delights
- Spicy herb gardens
- Lily pools—Espaliers
- Sundials—Fountains
- Garden sculpture
- Bird houses—baths
- Outdoor furniture
- Tools and implements
- New cultivators
- Modern insecticides
- New seeds to try
- Gardening apparel
- and many more

They're all over the place—some in the main display; others in the delightful exhibits of the Garden Club of America, Federated Garden Clubs of New York State, Garden Club of New Jersey and other groups.

The Show is conducted by the Horticultural Society of New York and the New York Florists' Club with numerous other organizations cooperating.

FLOWER SHOWS

(Continued from page 19)

ing exhibitors couldn't find space for their artistic displays.

For the benefit of those clubs which have never undertaken a show or wish to improve the planning and management of those they propose to give, we offer an Organization Plan. This was prepared by Louise Russell Wright after six years of successfully being vice-chairman and then chairman of the Garden Club of America exhibits at the International Flower Show in the Grand Central Palace in New York.

ORGANIZATION PLAN FOR
FLOWER SHOWS

Duties of Chairman of Show
1. Appoint chairman for following sub-committees:
   - Program, Publicity and Printing
   - Judging and Prizes
   - Staging and Decoration
   - Hospitality and Refreshments
   - Transportation Class Chairmen, Treasurer
2. Secure use of building or room for show with enough time allowed for staging and dismantling.
3. Call meeting of all chairmen and lay plans before them for discussion. Keep in touch with them for progress.
4. Arrange for the presence of some member other than ticket collector at show during entire time.
5. After show, Chairman of Show Committee should consult with Chairmen of Sub-Committees and embody any improvements in Organization Plan which recent experience has suggested, leaving a corrected copy for use of next year's Show Chairman.

Flower Arrangement Committee
Duties of Chairman
1. Should make up schedule in cooperation with Class Chairmen if any. Rules carefully studied. Great care with schedule.
2. Appoint three members to help on morning of show with classification and staging. One at entrance to direct exhibitors to entry desk. One to hand out exhibit cards and third to direct exhibitors to where their class is being staged.
3. Appoint someone to take entries and write out exhibit cards and allot numbers to exhibitors. This person can be one of the above.
4. Receive applications on space from commercial growers with their fees and allot space to them in consultation with Chairmen of Staging Committee.
5. Confer with class chairman and find out number of exhibits in her class. The member taking care of entry and exhibit cards (3) should keep entries within that number. Number of exhibitors should be put on the outside of envelope to facilitate the decision of judges.

Chairman of Publicity Committee
Duties
1. Confer with Flower Arrangement Chairman for schedule and have same

T HIS year, for the first time, the show's theme is Pan-American. Featured in all their exotic beauty will be gardens of South and Central America and the alluring Antilles. Blooms new to New Yorkers in rare gay colors, breathing a fragrance suggesting tropical romance! Wraiths of ancient caballeros, and señoritas famed for their beauty, doubtless will tread quaint dances and whisper sweet nothings in these enchanted gardens! (Oh yes, they really are enchanted.)

In addition to all this glamorous atmosphere there is, too, the practical side. New ideas, more colorful variation from month to month, new discoveries and scientific improvements, garden furniture, interior and exterior decorations, greater economies, more gardening fun. Don't miss it!

MARCH 17-22

Grand Central Palace, New York.
In March there are so many garden operations to be done that one is likely to be confused by their very multiplicity and end up by accomplishing a good deal less than is planned, unless some sort of a working schedule is made up and adhered to. Such a plan will prove more than its weight in gold, for the end of the month will find you nearer your goal by far. It will leave more time for leisure too.

The Garden Mart provides the answers to perplexing gardening problems.

Write to House & Garden for anything you can't discover in these pages.

The following pages contain suggestions, tips, and seed catalogs of the most complete type with full directions for planting, care, and use. It is a stimulating source of practical tips for better gardening.

In this special issue, we are telling you the major lists followed by the names and addresses of the three most reliable sources of supply. This is not the only kind of list we offer. We also have lists of the best bulbs, trees, shrubs, perennials, annuals, and specialty seeds. The Garden Mart is so complete and authoritative that it can be recommended to every gardener as the most efficient way to stock up for the coming season.

The Garden Mart is the complete guide to gardening. It is a helpful source of practical tips for better gardening. It is a stimulating source of new ideas for plants and plantings. It is a complete guide to gardening.
FLOWER SHOWS

(Continued from page 73)

printed. Send to all members and neighboring garden clubs.

2. Order entry cards and envelopes (it will save time and money to have a space for awarding prizes on the entry cards). Order posters, tickets and tea tickets.

3. One month before show send out schedules to members.

4. Posters placed at strategic points and collected after show.

5. Place arrows or signs directing visitors to shows.

6. Notify local and city papers of show, also horticultural magazines.

7. After the show list of prize winners given to local papers.

Judging & Prize Committee Duties

1. Invite judges at least two months before show (judges can judge four to five large classes and ten small classes at a small show). Group of three judges is best and these three are often sufficient in judging all flower arrangements in a small show. Secure judges from your local nurserymen or good gardeners for horticultural specimen classes.

2. Arrange for meeting of judges at trains and transportation to and from flower show. A place where they may sit and have refreshments should be provided. Judges should be asked to arrive at least 20 minutes before judging commences and sufficiently ahead of opening hour of show to give them plenty of time to judge.

3. Chairman should confer with flower arrangement chairman and make up rules for judging each class. Rules should be printed on program. Any changes in rules after program has been printed should be written out and given to judges before judging commences.

4. It makes for better judging to have each judge have her own book with a page for each class she is judging. She can write her own awards in case of a compromise agreement.

5. Secure ribbons and medals, if given, or prizes if given. Stickers for affixing ribbons should be gotten, ribbons optional. If tri-color sweepstake or gold medal are to be awarded, stickers for these should also be provided. Tri-color or gold medal is usually given for best exhibit in the show whether it be in competition or not. All judges present should participate in this judging. However, a general policy for giving sweepstakes or tri-color should be worked out before the show and judges told of how the judging should be done. Sweepstakes greatest number of clues; in case of ties add number of points of any other awards. Exhibitor receiving most points wins. First, five points; second, three points; third, one point; honorable mention, one-half point.

6. Should appoint judges' aids, two for each group of judges.

Duties of judges' aids:

a. They go around with judges while judging is in progress.

b. One of them writes, in a book provided for the purpose, the number and name of each winning exhibitor, what prize she receives and any constructive criticism of the judges. Each class judged should have a separate page with the class and section number at the top on which these items are to be recorded.

c. The other aid's sole duties are to affix on the exhibit cards the stickers of winners and remove all other exhibitors' cards from envelopes and replace.

d. The book or books in which these comments are written should then be returned to the entry desk where they may be filed and saved for the flower show notes. They should be at the disposal of the exhibitors, so they can read the judges' criticisms.

Treasurer Duties

1. The treasurer for the flower show could be treasurer of the club.

2. Separate book for flower show account should be kept. Optional—one or more pages should be allotted to each committee chairman on which should be kept itemized records of her purchases and where each purchase was made.

3. A budget should be formulated upon consultation with each chairman upon their respective expenses.

4. A ticket taker should be appointed and on hand throughout hours of judging (Continued on page 76).

In Boston one of the features will be the largest rose garden ever exhibited in this country. Bobbink & Atkins are staging it these should also be provided.

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4. A ticket taker should be appointed and on hand throughout hours of judging (Continued on page 76).
FLOWER SHOWS
(Continued from page 75)
the show. A separate ticket taker for each class may have to be provided although tea tickets may be sold at the door or included in the price of admission.
5. The expenses and receipts should be saved for the show flower file for future reference.

Staging and Decoration Duties
1. A floor plan should be worked out giving allocation and space allotted for each class.
2. Tables and necessary equipment must be arranged for. Either borrowed, made, rented, or old equipment reno­vated if necessary. Storage arrange­ments must be provided for. Tables, stands, chairs, pedestals, etc., accord­ing to classes, also chairs for sitting.
3. Tables for use of exhibitors while making arrangements should be provided. Water facilities arranged for.
4. Three or four men should be provided to help with heavy work, electric­ity, carpentry, etc. All staging should be finished the day before the show unless perishable materials are used.
5. Arrangements should be made with the transportation committee for getting all materials there and for their removal.
6. A committee for cleaning before show opens and for dismantling and cleaning afterwards is important.
7. Unless individual class chair­men are provided, the staging committee would naturally undertake the placing and decorating of backgrounds.
8. If separate class chair­men are appointed, the class chairmen should be responsible for:
   a. Decorating their spaces.
   b. Securing entries for their classes.
   c. Expense of class.
   d. Placing of exhibits.
   e. Responsibility of borrowed equip­ment.
   f. Should be sure individual exhib­itors understand requirements for the class.

9. The staging committee should have on hand:
   a. Thumb-tacks pins
   b. Brass tacks
   c. Adhesive tape
   d. Cellulose tape
   e. Hammer bands
   f. Staples
   g. Screw-driver
   h. Wire cutters
   i. Whisk broom
   j. Brush broom
   k. String
   l. Labels
   m. Barrels for refuse
   n. Tags
   o. Scissors
   p. Metal measure
   q. Yardstick
   r. Cleaning cloths
   s. Thread
   t. Needle

Transportation Duties
1. Should secure a truck to carry all equipment to and from show.
2. Should make arrangements with judging committee for moving judges’ trains and out-of-town guests and return­ing them to their trains after show or lunch.
3. Transportation should be provided to take carless exhibitors to get flowers and bring them and their exhibits to the show.
4. Take judges to lunch.

RULES FOR EXHIBITORS
To be on first page of program
1. Definite time for closing of entries.
2. Entries to be placed by a member of the general committee at least a half hour before judging begins.
3. All containers and holders must be plainly marked with exhibitor’s name on adhesive tape on bottom.
4. Judging rules must be printed for benefit of exhibitors and judges.
5. Flowers in arrangement classes may be bought.
6. Rules for specimen classes clearly explained.

GENERAL IDEAS
1. It is a good idea if some one in the neighborhood belonging to the club and who has a large garden and is will­ing to have them open their gardens to members to get flowers, of course with supervision as to what they can and cannot pick.
2. Planning a flower show around a general theme helps coordinate the whole show.

SUGGESTIONS FOR THEMES
1. The American Home
   a. Desk arrangement for a man
   b. Piano arrangement
   c. Mantlepiece arrangement
   d. Dining-room table
   e. Breakfast tray
   f. Bedside bouquet for guest chamber
   g. Library table
2. Around the Clock told with Flowers
   a. Breakfast
   b. Ladies’ desk arrangement
   c. Luncheon table
   d. Porch arrangement
   e. Possibly potted plants
   f. Tea table
   g. Dinner table
   h. Library, mannish arrangement
3. American History Told with Flowers
   a. Independence
   b. Mexican
   c. French
   d. Dutch
   e. English
   f. Colonial
   g. Victorian
   h. Modern
4. a. Wood
   b. Glass
   c. Porcelain
   d. Pottery
   e. Silver
   f. Copper
   g. Shell
   h. Pewter
   i. Container having been used for a utilitarian purpose
   j. Brass
5. Ages Told with Flowers
   a. Baby
   b. Christening
   c. School
   d. Graduation
   e. Debut
   f. Engagement
   g. Anniversaries
   h. Lavender and old lace
   i. Wedding

DO YOUR BORDERS LACK FLOWERS?
(Continued from page 67)

Eryngium amethystinum
Eupatorium coelestinum
Phlox
Phlox grandiflorum
Radicella purpurea
Scabiosa caucasica
Scabiosa japonica

(Continued on page 77)

This thoroughly readable and informative volume is a biography of American crafts and the men who made them from early Colonial days to the present. Though it is of primary interest as a source book for the architect, decorator or collector, it should appeal widely to the layman as well.

The author sees crafts and depicts them, not as a separate series of manual skills springing mysteriously into being, but as logical answers growing out of the demands of a rapidly changing new society. And he is concerned not so much with merely cataloging these early craftsmen as with creating an understanding of them in relation to the broad canvas of their time.

The first two chapters sketch in this skeleton background; the rest of the book proceeds rapidly to give it life and color—the separate crafts—with separate chapters, for example, to Houses and House Furnishings, Furniture, Pottery, Glass, Silver, Weaving, Iron, Pewter and Other Metals, Bookmaking, and minor crafts with a final chapter on American Craft Today.

Here are fascinating details about the great well-known craftsmen—Goddard and Savery and Phyle, Paul Revere, John Hill, "Baron" Stiegel, Eli Whitney and many more who helped to establish our tradition of fine craftsmanship. And equally exciting details about the unsung heroes who helped to build the first houses, the clipper ships, the shipbuilding chair, the Kentucky rife, the falling axle.

In a clear, measured style, Mr. Williamson builds up a graphic picture of Americana and its widespread influence on our designs and ideas today. Based on endless research into old documents, court records, account books, catalogs, and such, the volume is authentic. Fully documented, it is charmingly illustrated with many craft examples. The check list of makers in all crafts which appear at the end of the book is a helpful feature for serious students.

The FURNISHINGS of MONTICELLO, by Marie C. Kimball. Thomas Jefferson Memorial Foundation.

This booklet by Marie C. Kimball is a further tribute to the versatility of Thomas Jefferson. Devoted primarily to the furnishings of Monticello, it is full of illuminating side-lightings on Jefferson the home-owner—his experience in design, his exploits as patron of the arts in Paris, his inventiveness and, above all, his slidding love for fine furniture.

Jefferson had always wanted to live on a mountain top. In the brief records of 1770 we learn that he moved to Monticello and set housekeeping in one room. He was then twenty-seven years old and the greatness was but a dream on paper. The story of the furnishing of that house, starting with Jefferson's first great shopping orgy when he was Minister to France, his unflagging interest in design and deco-

DO YOUR BORDERS LACK FLOWERS? (Continued from page 77)

He says, "I had more than an interest in flowers. I love them. I love the way every flower, every leaf, every color has its own special beauty."

Do you know that flowers are not just decorative? They are a symbol of life, love, and hope. They bring joy to people's faces and can brighten any day. flowers are not just decorative; they are a symbol of life, love, and hope. They bring joy to people's faces and can brighten any day.
MODERN IS REGIONAL

(Continued from page 35)

Identical climate of rigorous Winters and humid Summers, but the local building materials and methods differ considerably.

Conversely, dissimilar climates but similar native materials affect the use of identical materials and therefore the appearance of the structure. Comparison of the external structural forms of more northern sections of the Pacific Coast with those of New England, each region endowed with abundant timber, is evidence of this further regional distinction. Architecture in both these regions is of wood, but the character of each is of an entirely different type.

Many of the elements that have entered accepted forms of architecture to Americans can be identified as regional traits. Past and present meeting the same conditions may utilize the same expedient to meet a common need. Regional necessity is in each instance the mother of invention and thus dictates its form and function.

Social life and habits may of themselves vary by regions and thus dictate house forms. The indoor-outdoor house of the Los Angeles area is expressive of local interests and habits, which in turn respond to climate. Such liberal interpretation of house and garden is inappropriate for year-round housing in the area of the Great Lakes or New England.

A GUIDE TO REGIONAL CHARACTERISTICS

New England. Early in the building history of New England the colonists found that their “old-world” method of erecting wooden structures did not afford protection from the cold blasts and driving rain of the new territory in which they had settled. So they devised a means of covering their half-timbered roofs with abundant timber, or “clapboard.” This proved so effective that it has been generally adopted in frame buildings.

This use of clapboards or siding in New England is similar to that found in other regions having similar climate conditions. This and the remaining characteristics of the region’s adaptation to regional needs are discussed in this section in handling the fields of stone and wood: the latter appearing largely in the form of the Great Lakes region.

New England.

Clematis, Large-flowering

Free Blooming

New and amazingly beautiful varieties. Colors include white, lavender, blue, pink, red, lilac-rose. Plants bloom from July to late September. No other climbing plants excel in beauty these new large-flowering Clematis.

Write today for list of varieties; get our descriptive literature and full information. Write for new catalogue.

James I. Geiger & Son, Box A, Fairport, N. Y.

CHRYSANTHEMUMS


BLANCHARD CHRYSANTHEMUM GARDENS

1137 Fairview Ave., Arcadia, California

and in some instances surpassing, the work of the Colonial period.

Florida. Sparkling white unshorned walls, low-pitched tile roofs and spacious porches are features suggestive of the Spanish Colonial. They are retained in modern work because they are practical for the prevailing climate.

Arizona. Following the tradition which is certainly pre-Colombian, modern architects make much use of adobe walls, pierced only by small windows. Flat roofs, traditions, restful and dry climates such as this, also have a long history to commend them; contrary to popular belief, the flat roof is not exclusively a product of the 20th Century.

The Pacific Northwest. A land of great trees naturally has a tradition of timber building. And the planning design goes back to the rambling single-story ranch-house type.

The Great Lakes region. To Frank Lloyd Wright belongs the credit for making clear to contemporary architects the esthetic requisites for Prairie style—long low roofs and lines, a horizonality which merges with the sky-line. There is also a tendency to experiment with new methods of building and types of design which are effectively guard against the extremely rigorous climate.

California. The seat of the first extensive movement in American modern design, this state presents a remarkable variety in topography and climate. With a thousand miles of coastline, this Pacific State runs through 10° of latitude. In its width, which ranges from 150 to 350 miles, one finds oceans, rivers, canyons, plateaus and on the eastern border America’s highest mountain peaks, sharply contrasting with desert levels and sea level.

The climate, unlike that of the East, is characterized by alternating dry and wet seasons, but in the inhabited regions weather conditions are much more equitable than in the East.

Historical precedents were first of Spanish and Indian origin, which continued to be adapted by local conditions and characters to arrive at the early California mission architecture. Following the San Diego Exhibition of 1915 the use of Spanish forms, in the Southern part of the state particularly, became more self-consciously imitative. In the Northern part of the state the mid-century cold rush produced jigsaw structures of wood. Of still more recent native origin is the California informal bungalow type.

Resemblances to the early Spanish Colonial style can be attributed to the simple cool while exteriors, restful and to the sun-begotten terraces and patios, suitable in any period because symmetrical to native surroundings.

Because of the peculiar qualities of the climate and the actual native character of landscape, Californians are content to use outdoor activities. This is therefore the normal habitat for the looser forms of construction, the openness of planning, and the indoor-outdoor relationship associated with modern architecture. This may account for the fact that the new regionalism is more highly evolved in California than in any other geographical area to date.

MOSS FOR SPARKLING GREEN LAWNS!
A GARDEN CLUB LIBRARY

A brief bibliography of modern garden books compiled by Elizabeth T. Blossom, Librarian, Garden Center of Greater Cleveland

REFERENCE, DICTIONARIES, ETC.


BAILEY, L. H. Hortus, a concise dictionary of gardening; 1940 ed. N. Y., Macmillan, 1940. $12.00.


STANDARDIZED PLANT NAMES, ed. by Amer. Joint Com. on Horticultural Nomenclature. N. Y., Macmillan, 1933. $1.75.


GENERAL GARDENING

BAUS, F. Commercial Floriculture; 4th ed. N. Y., De la Mare, 1937. $5.50.


(Includes 15 of the Doubleday $1.00 books as chapters.)

BUSH-BROWN, J. & L. America's Garden Book, N. Y., Scribner's, 1940. $3.50.

FREE, M. Gardening, a Complete Guide. N. Y., Harcourt, 1937. $2.95.


These now available from Mass. Horticultural Soc, the 2v. for $5.00; also other Wilson books back page HORTICULTURE, Nov. 1, 1940.

WILSON, E. H. If I Were to Make a Garden. Now from Horticulture, $5.00.

Wright, R. House & Garden's Book of Gardening. Conde'Nast, 1940. $2.95.


GARDEN PLANNING AND DESIGN

BOTTOMLEY, M. E. The Design of Small Properties. N. Y., Macmillan, 1927. $3.00.

CAUTLEY, M. Garden Design. N. Y., Dodd, Mead, 1935. $5.00.

HUBBARD, H. V. and KIMBALL, T. Introduction to the Study of Landscape Design. N. Y., Macmillan, 1931. $6.00.


ORTLOFF, H. and RAYMOR, H. Garden Planning and Building. N. Y., Whiteleys House, 1939. $3.00.

ROBINSON, F. Planting Design. N. Y., Whitteley House, 1940. $2.75.

STEEL, F. Design in the Little Garden. Bost., Atlantic, 1921. $1.75.

SPECIAL TYPES OF GARDENING AND FLORICULTURE

HOTTES, A. C. The Book of Annuals; 5th ed. N. Y., De la Mare, 1937. $1.50.

HOTTES, A. C. The Book of Perennials; 4th ed. N. Y., De la Mare, 1937. $1.50.

HOUSE PLANTS

SULZER, M. N. House Plants, Modern Care and Culture. N. Y., Doubleday, 1935. $1.50.


BULBS

ROCKWELL, F. F. Book of Bulbs. N. Y., Macmillan, 1930. $4.00.

WILDE, L. B. Adventures with Hardy Bulbs. N. Y., Macmillan, 1931. $5.00.


(Continued on page 81)
Rock gardens


Wildmer, L. B. Pleasures and Problems of a Rock Garden. N. Y., Doubleday, 1928. $10.00. (There are many others which may be selected from the Bissell bibliography.)

Water gardens and pools

Ramsay, L. W. & Lawrence, C. H. Garden Pools, Large and Small. N. Y., Macmillan, 1931. $2.50

Sawyer, R. V. & Perkins, E. H. Water Gardens and Goldfish; 2d ed. 1934. $2.00

Herbs

Webster, H. N. Herbs, How to Grow Them and Use Them; 2d ed. Bost., Hale, 1939. $1.00. Good bibliography. (There are numerous other good ones. Choice depends on the interest of the members of the group.)

Vegetables and fruits

Farquharson, E. I. The Vegetable Garden. Bost., Hale, 1939. $1.00

Kains, M. G. Grow Your Own Fruit. N. Y., Scribner, 1940. $3.50

Lawns

Parkes, C. The Lawn. Bost., Hale, 1939. $1.00

Sprague, H. Better Lawns. N. Y., Whit¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬‐
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Bowers, C. Rhododendrons and Azale.

Leaves, N. Y., Macmillan, 1935. $10.00

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American Rose Society. Membership brings annual volume and quarterly
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AND PLANT PROPAGATION

Gustafson, A. F. Handbook of Fer­
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Chadbuck, L. C. Compiling a New

Nursery List, Chic., Ill., Am. Nur­
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Hottes, A. C. The Book of Shrubs; 3d

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Reid, A. Manual of Cultivated Trees

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Wilson, E. H. Aristocrats of the Trees.

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Orchids

White, E. A. American Orchid Cul­
ture, 2d ed. N. Y., De la Mare, 1939.
$5.00

Peonies

Boyd, J. ed. Peonies; the Manual of

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bibliography of the literature to the
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Hading, A. Peonies in the Little Gar­
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Bowers, C. Rhododendrons and Azale.

Leaves, N. Y., Macmillan, 1935. $10.00

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Ferguson, E. L. 'The Gardener's

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McKenny, M. Birds in the Garden.

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Bost., Little, Brown, $5.00

Spry, C. Flowers in House and Garden.

N. Y., Putnam, 1937. $3.75

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literature which describes gardens
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